

# WEST Search History

DATE: Tuesday, January 07, 2003

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>		
		result set			
<b>side by side</b>					
<i>DB=USPT; PLUR=YES; OP=ADJ</i>					
L24	L23 and steroid	41	L24		
L23	hair adj color	1059	L23		
L22	L20 not L21	7	L22		
L21	L20 and (stimulating adj hormone)	18	L21		
L20	melanocyte and (DHEA or pregnenolone or androstenedione)	25	L20		
L19	melanocyte and alopecia	34	L19		
L18	alopecia and canities	4	L18		
L17	L16 and color	0	L17		
L16	L15 and DHEA	1	L16		
L15	6030948	1	L15		
<i>DB=DWPI; PLUR=YES; OP=ADJ</i>					
L14	2777181	3	L14		
<i>DB=USPT; PLUR=YES; OP=ADJ</i>					
L13	L11 and (DHEA or pregnenolone)	23	L13		
L12	L11 near10 (DHEA or pregnenolone)	0	L12		
L11	melanocyte	1883	L11		
L10	L9 and (steroid or hormone or DHEA)	9	L10		
L9	canities	17	L9		
L8	6335023	2	L8		
L7	freckle or lentigo or lentigines or melasma or hyperpigmentation	871	L7		
L6	L5[pn]	1	L6		
L5	3856934	24	L5		
L4	4046886[pn]	1	L4		
L3	4131650	12	L3		
L2	3627871	16	L2		
L1	4474763	20	L1		

END OF SEARCH HISTORY

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1621MXW

PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*

SESSION RESUMED IN FILE 'REGISTRY' AT 16:33:49 ON 07 JAN 2003  
FILE 'REGISTRY' ENTERED AT 16:33:49 ON 07 JAN 2003  
COPYRIGHT (C) 2003 American Chemical Society (ACS)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.40	0.61

=> file registry

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.40	0.61

FILE 'REGISTRY' ENTERED AT 16:34:00 ON 07 JAN 2003  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 6 JAN 2003 HIGHEST RN 478238-10-7  
DICTIONARY FILE UPDATES: 6 JAN 2003 HIGHEST RN 478238-10-7

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> e hydroxypregnenolone

E1	1	HYDROXYPREGNENE/BI
E2	33	HYDROXYPREGNENOL/BI
E3	33	--> HYDROXYPREGNENOLONE/BI
E4	1	HYDROXYPREGNENON/BI
E5	1	HYDROXYPREGNENONE/BI
E6	1	HYDROXYPREHNIT/BI
E7	1	HYDROXYPREHNITENE/BI
E8	1	HYDROXYPREN/BI
E9	1	HYDROXYPRENANE/BI
E10	1	HYDROXYPRENYL/BI
E11	1	HYDROXYPRENYLAMINE/BI
E12	1	HYDROXYPREPN/BI

=> d e3

NO L# DEFINED

=> e3

E3 IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (=>).

=> s e3

L1 33 HYDROXYPREGNENOLONE/BI

=> d L1 1-5

L1 ANSWER 1 OF 33 REGISTRY COPYRIGHT 2003 ACS

RN 335317-13-0 REGISTRY

CN Pregn-5-en-20-one, 3,15-dihydroxy-, (3.beta.)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 15.xi.-Hydroxypregnенолоне

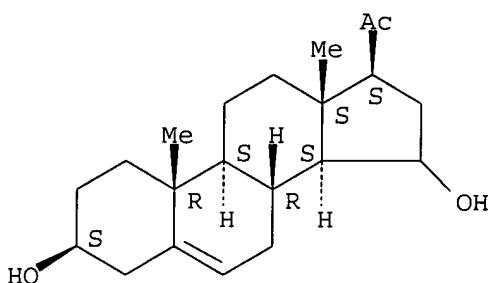
FS STEREOSEARCH

MF C21 H32 O3

SR CA

LC STN Files: CA, CAPLUS

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1962 TO DATE)

1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L1 ANSWER 2 OF 33 REGISTRY COPYRIGHT 2003 ACS

RN 159735-67-8 REGISTRY

CN Pregn-5-en-20-one, 11-hydroxy-3-(sulfoxy)-, (3.beta.,11.beta.)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 11.beta.-Hydroxypregnенолоне 3-sulfate

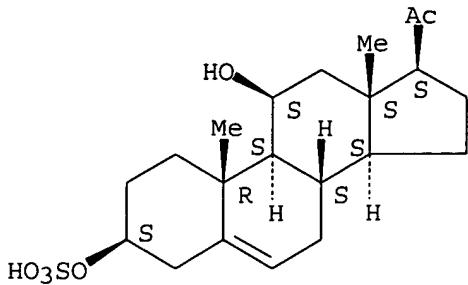
FS STEREOSEARCH

MF C21 H32 O6 S

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

6 REFERENCES IN FILE CA (1962 TO DATE)  
6 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L1 ANSWER 3 OF 33 REGISTRY COPYRIGHT 2003 ACS  
RN 88378-34-1 REGISTRY  
CN Pregn-5-en-20-one, 3-hydroxy-21-(sulfoxy)-, (3. $\beta$ .)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 21-Hydroxypregnенолоне 21-сulfат

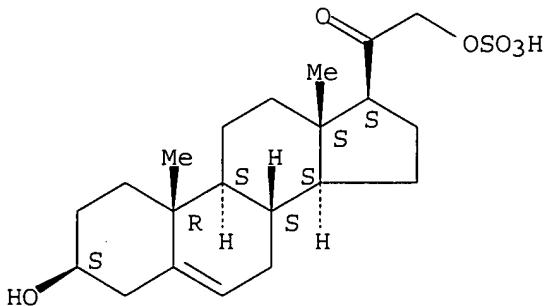
FS STEREOSEARCH

MF C21 H32 O6 S

CI COM

LC STN Files: BEILSTEIN\*, CA, CAPLUS  
(\*File contains numerically searchable property data)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

3 REFERENCES IN FILE CA (1962 TO DATE)  
3 REFERENCES IN FILE CAPLUS (1962 TO DATE)

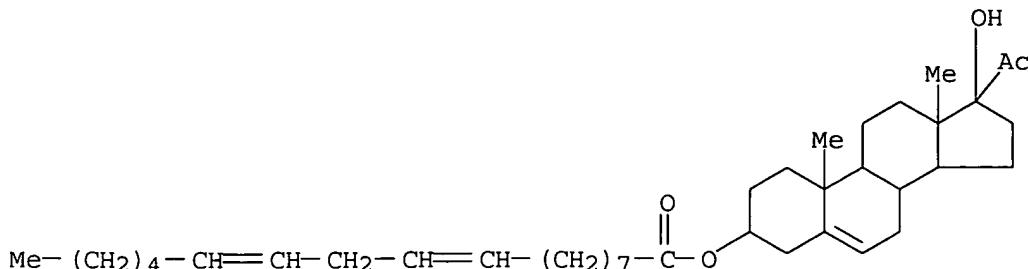
L1 ANSWER 4 OF 33 REGISTRY COPYRIGHT 2003 ACS  
RN 73646-87-4 REGISTRY  
CN Pregn-5-en-20-one, 17-hydroxy-3-[(1-oxo-9,12-octadecadienyl)oxy]-, [3. $\beta$ .(9Z,12Z)]- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 17-Hydroxypregnенолоне линолеат

MF C39 H62 O4

LC STN Files: CA, CAPLUS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1962 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L1 ANSWER 5 OF 33 REGISTRY COPYRIGHT 2003 ACS

RN 73646-86-3 REGISTRY

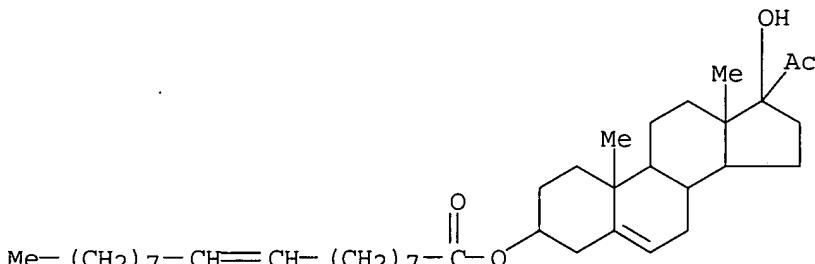
CN Pregn-5-en-20-one, 17-hydroxy-3-[(1-oxo-9-octadecenyl)oxy]-, [3. $\beta$ .(Z)]- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 17-Hydroxypregnenolone oleate

MF C<sub>39</sub> H<sub>64</sub> O<sub>4</sub>

LC STN Files: CA, CAPLUS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1962 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> d L1 6-10

L1 ANSWER 6 OF 33 REGISTRY COPYRIGHT 2003 ACS

RN 60530-37-2 REGISTRY

CN Pregn-5-en-20-one, 21-hydroxy-3-(sulfooxy)-, (3. $\beta$ .)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Pregn-5-en-20-one, 3. $\beta$ .,21-dihydroxy-, 3-(hydrogen sulfate) (7CI)

OTHER NAMES:

CN 21-Hydroxypregnenolone 3-sulfate

FS STEREOSEARCH

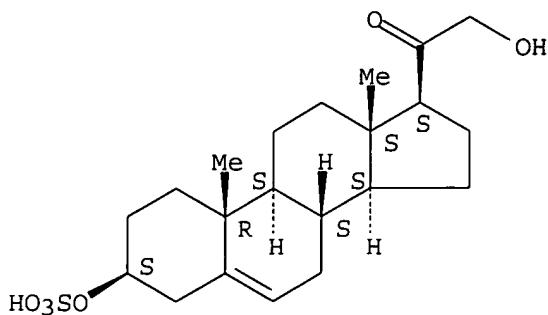
MF C<sub>21</sub> H<sub>32</sub> O<sub>6</sub> S

CI COM

LC STN Files: BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS

(\*File contains numerically searchable property data)

Absolute stereochemistry.

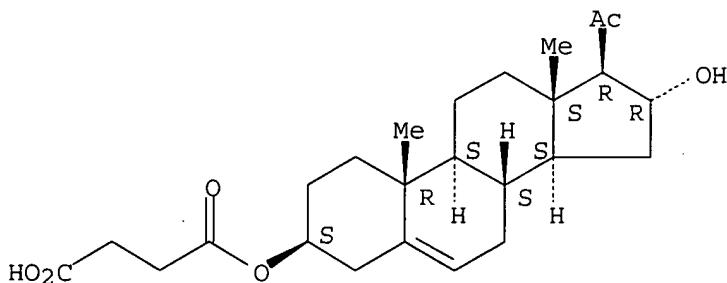


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

4 REFERENCES IN FILE CA (1962 TO DATE)  
4 REFERENCES IN FILE CAPLUS (1962 TO DATE)  
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L1 ANSWER 7 OF 33 REGISTRY COPYRIGHT 2003 ACS  
RN 57817-90-0 REGISTRY  
CN Pregn-5-en-20-one, 3-(3-carboxy-1-oxopropoxy)-16-hydroxy-,  
(3. $\beta$ ,16. $\alpha$ )-(9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 16. $\alpha$ -Hydroxypregnolone-3-succinate  
FS STEREOSEARCH  
MF C25 H36 O6  
LC STN Files: BEILSTEIN\*, CA, CAPLUS, NAPRALERT, TOXCENTER  
(\*File contains numerically searchable property data)

Absolute stereochemistry.

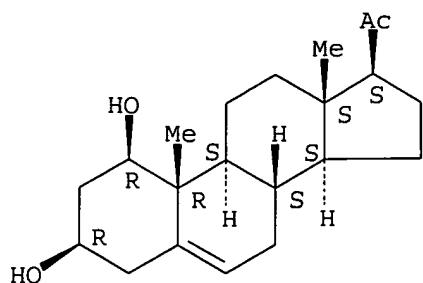


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1962 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L1 ANSWER 8 OF 33 REGISTRY COPYRIGHT 2003 ACS  
RN 57670-43-6 REGISTRY  
CN Pregn-5-en-20-one, 1,3-dihydroxy-, (1. $\beta$ ,3. $\beta$ )-(9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 1. $\beta$ -Hydroxypregnolone  
FS STEREOSEARCH  
MF C21 H32 O3  
LC STN Files: BEILSTEIN\*, CA, CAPLUS  
(\*File contains numerically searchable property data)

Absolute stereochemistry.

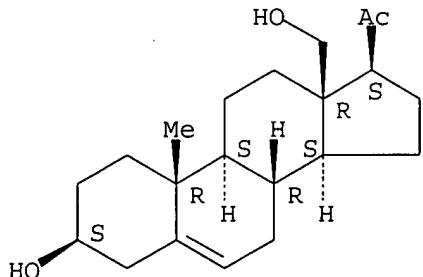


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1962 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L1 ANSWER 9 OF 33 REGISTRY COPYRIGHT 2003 ACS  
RN 51783-01-8 REGISTRY  
CN Pregn-5-en-20-one, 3,18-dihydroxy-, (3. $\beta$ .)- (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 18-Hydroxypregnенолоне  
FS STEREOSEARCH  
MF C21 H32 O3  
LC STN Files: CA, CAPLUS

Absolute stereochemistry.

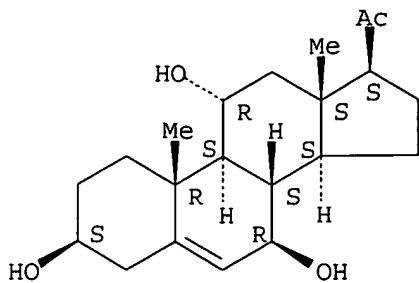


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1962 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L1 ANSWER 10 OF 33 REGISTRY COPYRIGHT 2003 ACS  
RN 50888-40-9 REGISTRY  
CN Pregn-5-en-20-one, 3, $\beta$ ,7, $\beta$ ,11-trihydroxy-, (3. $\beta$ .,7. $\beta$ .,11. $\alpha$ .)- (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 3. $\beta$ .,7. $\beta$ .,11. $\alpha$ .-Trihydroxypregn-5-en-20-one  
CN 7. $\beta$ .,11. $\alpha$ .-Dihydroxypregnенолоне  
FS STEREOSEARCH  
MF C21 H32 O4  
LC STN Files: BEILSTEIN\*, CA, CAPLUS  
(\*File contains numerically searchable property data)

Absolute stereochemistry.



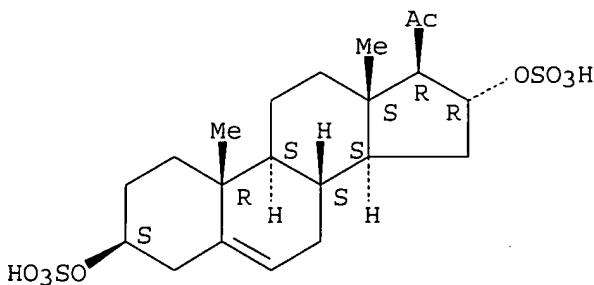
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1962 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> d L1 11-15

L1 ANSWER 11 OF 33 REGISTRY COPYRIGHT 2003 ACS  
 RN 33256-48-3 REGISTRY  
 CN Pregnen-5-en-20-one, 3,16-bis(sulfoxy)-, (3. $\beta$ .,16. $\alpha$ .)- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Pregnen-5-en-20-one, 3. $\beta$ .,16. $\alpha$ .-dihydroxy-, bis(hydrogen sulfate) (8CI)  
 OTHER NAMES:  
 CN 16. $\alpha$ -Hydroxypregnénolone disulfate  
 FS STEREOSEARCH  
 DR 40248-19-9  
 MF C21 H32 O9 S2  
 LC STN Files: BEILSTEIN\*, CA, CAPLUS  
 (\*File contains numerically searchable property data)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

5 REFERENCES IN FILE CA (1962 TO DATE)  
5 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L1 ANSWER 12 OF 33 REGISTRY COPYRIGHT 2003 ACS  
 RN 30626-97-2 REGISTRY  
 CN Pregnen-5-en-20-one, 3, $\beta$ ,7-dihydroxy-, (3. $\beta$ .,7. $\beta$ .)- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Pregnen-5-en-20-one, 3. $\beta$ .,7. $\beta$ .-dihydroxy- (8CI)

OTHER NAMES:

CN 3. $\beta$ ., 7. $\beta$ .-Dihydroxy-5-pregn-20-one

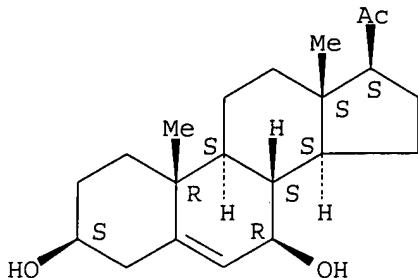
CN 7. $\beta$ .-Hydroxypregnenolone

FS STEREOSEARCH

MF C21 H32 O3

LC STN Files: BEILSTEIN\*, CA, CAPLUS, TOXCENTER, USPATFULL  
(\*File contains numerically searchable property data)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

11 REFERENCES IN FILE CA (1962 TO DATE)

11 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L1 ANSWER 13 OF 33 REGISTRY COPYRIGHT 2003 ACS

RN 30626-96-1 REGISTRY

CN Pregn-5-en-20-one, 3,7-dihydroxy-, (3. $\beta$ .,7. $\alpha$ .)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Pregn-5-en-20-one, 3. $\beta$ .,7. $\alpha$ .-dihydroxy- (8CI)

OTHER NAMES:

CN 3. $\beta$ .,7. $\alpha$ .-Dihydroxy-5-pregn-20-one

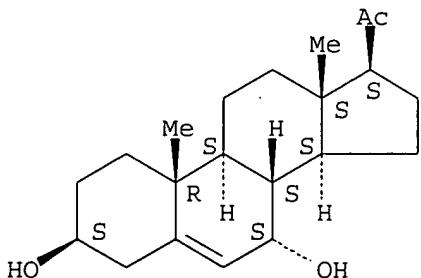
CN 7. $\alpha$ .-Hydroxypregnenolone

FS STEREOSEARCH

MF C21 H32 O3

LC STN Files: BEILSTEIN\*, CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL  
(\*File contains numerically searchable property data)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

28 REFERENCES IN FILE CA (1962 TO DATE)

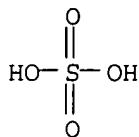
28 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L1 ANSWER 14 OF 33 REGISTRY COPYRIGHT 2003 ACS

RN 30209-14-4 REGISTRY  
 CN Pregn-5-en-20-one, 3,21-dihydroxy-, mono(hydrogen sulfate), (3. $\beta$ .)-  
     (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Pregn-5-en-20-one, 3. $\beta$ .,21-dihydroxy-, hydrogen sulfate (7CI)  
 OTHER NAMES:  
 CN 21-Hydroxypregnенолоне моносульфат  
 FS STEREOSEARCH  
 MF C21 H32 O6 S  
 CI IDS  
 LC STN Files: CA, CAOLD, CAPLUS

CM 1

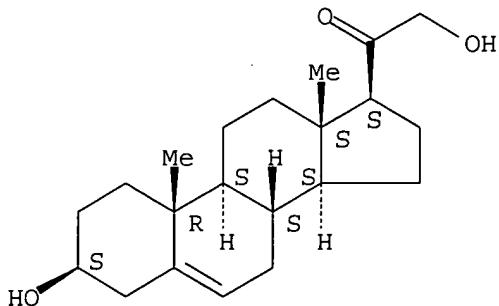
CRN 7664-93-9  
CMF H2 O4 S



CM 2

CRN 1164-98-3  
CMF C21 H32 O3

Absolute stereochemistry.



3 REFERENCES IN FILE CA (1962 TO DATE)  
 3 REFERENCES IN FILE CAPLUS (1962 TO DATE)  
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

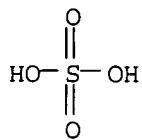
L1 ANSWER 15 OF 33 REGISTRY COPYRIGHT 2003 ACS  
 RN 28901-70-4 REGISTRY  
 CN Pregn-5-en-20-one, 3,17-dihydroxy-, mono(hydrogen sulfate), (3. $\beta$ .)-  
     (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Pregn-5-en-20-one, 3. $\beta$ .,17-dihydroxy-, mono(hydrogen sulfate) (8CI)  
 OTHER NAMES:  
 CN 17-Hydroxypregnенолоне моносульфат  
 CN 17. $\alpha$ -Hydroxypregnенолоне моносульфат  
 CN 17. $\alpha$ -Hydroxypregnенолоне сульфат  
 FS STEREOSEARCH  
 MF C21 H32 O6 S  
 CI IDS, COM

LC STN Files: CA, CAPLUS, MEDLINE, TOXCENTER, USPAT2, USPATFULL

CM 1

CRN 7664-93-9

CMF H<sub>2</sub> O<sub>4</sub> S

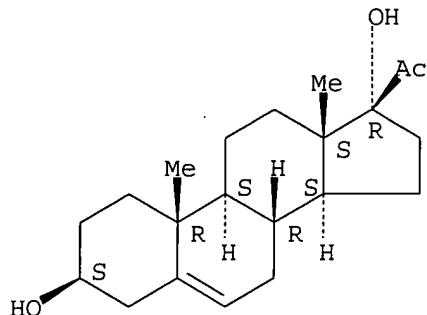


CM 2

CRN 387-79-1

CMF C<sub>21</sub> H<sub>32</sub> O<sub>3</sub>

Absolute stereochemistry.



33 REFERENCES IN FILE CA (1962 TO DATE)

33 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> e dihydroxyandrost

E1	1	DIHYDROXYANDIROBI/BI
E2	1	DIHYDROXYANDIROBIN/BI
E3	203	--> DIHYDROXYANDROST/BI
E4	33	DIHYDROXYANDROSTA/BI
E5	207	DIHYDROXYANDROSTAN/BI
E6	16	DIHYDROXYANDROSTANE/BI
E7	1	DIHYDROXYANDROSTER/BI
E8	1	DIHYDROXYANDROSTERONE/BI
E9	1	DIHYDROXYANIGORUF/BI
E10	1	DIHYDROXYANIGORUFONE/BI
E11	1	DIHYDROXYANILIN/BI
E12	13	DIHYDROXYANILINE/BI

=> e dihydroxyandrostene

E1	207	DIHYDROXYANDROSTAN/BI
E2	16	DIHYDROXYANDROSTANE/BI
E3	0	--> DIHYDROXYANDROSTENE/BI
E4	1	DIHYDROXYANDROSTER/BI
E5	1	DIHYDROXYANDROSTERONE/BI
E6	1	DIHYDROXYANIGORUF/BI
E7	1	DIHYDROXYANIGORUFONE/BI
E8	1	DIHYDROXYANILIN/BI

E9 13 DIHYDROXYANILINE/BI  
E10 1 DIHYDROXYANILINIUM/BI  
E11 9 DIHYDROXYANILINO/BI  
E12 7 DIHYDROXYANISOLE/BI

=> s dihydroxy and androstene  
305605 DIHYDROXY  
303 ANDROSTENE  
L2 37 DIHYDROXY AND ANDROSTENE

=> scan L2  
ENTER FIELD CODE (BI):ti  
'L2' IS NOT A VALID NUMERIC VALUE

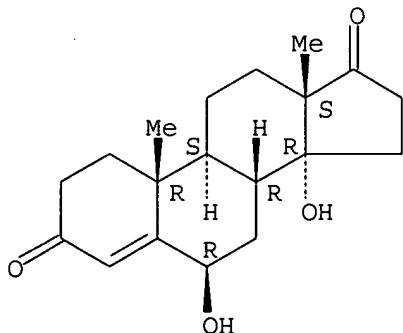
Only valid numeric terms can be EXPANDED in numeric fields. Valid numeric terms are zero and any term with an absolute value between 1 E-78 and 1 E74. Non-numeric characters are not permitted in the EXPAND command for numeric fields. To see a list of numeric and text fields in the current file, enter "HELP SFIELDS" at an arrow prompt (=>).

=> 1  
1 IS NOT A RECOGNIZED COMMAND  
The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (=>).

=> d L2 1-5

L2 ANSWER 1 OF 37 REGISTRY COPYRIGHT 2003 ACS  
RN 120051-40-3 REGISTRY  
CN Androst-4-ene-3,17-dione, 6,14-dihydroxy-, (6.beta.)- (9CI) (CA  
INDEX NAME)  
OTHER NAMES:  
CN 6.beta.,14.alpha.-Dihydroxy-4-androstene-3,17-dione  
FS STEREOSEARCH  
MF C19 H26 O4  
SR CA  
LC STN Files: BEILSTEIN\*, CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL  
(\*File contains numerically searchable property data)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

9 REFERENCES IN FILE CA (1962 TO DATE)  
9 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L2 ANSWER 2 OF 37 REGISTRY COPYRIGHT 2003 ACS

RN 103427-11-8 REGISTRY

CN Androst-4-ene-3,17-dione, 17-[(5.alpha.,6.alpha.)-4,5-epoxy-3,14-dihydroxy-17-methylmorphinan-6-ylidene]hydrazone 3-(1-methylethyldene)hydrazone (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Morphinan, androst-4-ene-3,17-dione deriv.

OTHER NAMES:

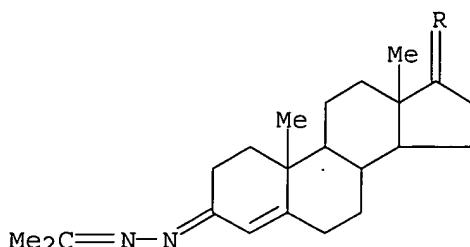
CN Androstene bis(oxymorphone) azine

MF C39 H51 N5 O3

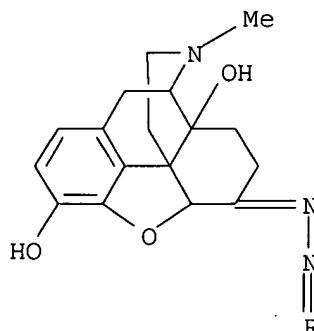
SR CA

LC STN Files: BIOSIS, CA, CAPLUS

PAGE 1-A



PAGE 2-A



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1962 TO DATE)

1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L2 ANSWER 3 OF 37 REGISTRY COPYRIGHT 2003 ACS

RN 66790-54-3 REGISTRY

CN Androst-4-ene-3,17-dione, 16,18-dihydroxy- (9CI) (CA INDEX NAME)

OTHER NAMES:

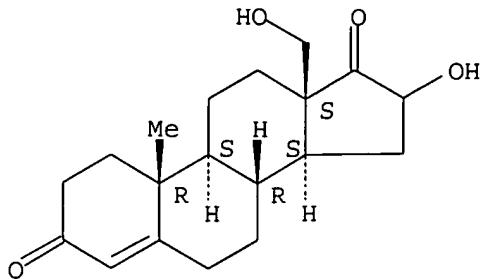
CN 16.xi.,18-Dihydroxy-4-androstene-3,17-dione

FS STEREOSEARCH

MF C19 H26 O4

LC STN Files: CA, CAPLUS

Absolute stereochemistry.

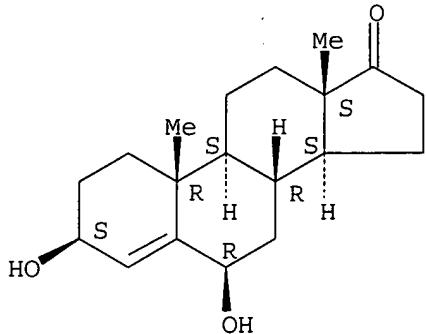


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1962 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L2 ANSWER 4 OF 37 REGISTRY COPYRIGHT 2003 ACS  
RN 60268-49-7 REGISTRY  
CN Androst-4-en-17-one, 3,6-dihydroxy-, (3.β.,6.β.)- (9CI)  
(CA INDEX NAME)  
OTHER NAMES:  
CN 4-Androstene-3.β.,6.β.-diol-17-one  
FS STEREOSEARCH  
MF C19 H28 O3  
LC STN Files: BEILSTEIN\*, CA, CAPLUS  
(\*File contains numerically searchable property data)

Absolute stereochemistry. Rotation (+).



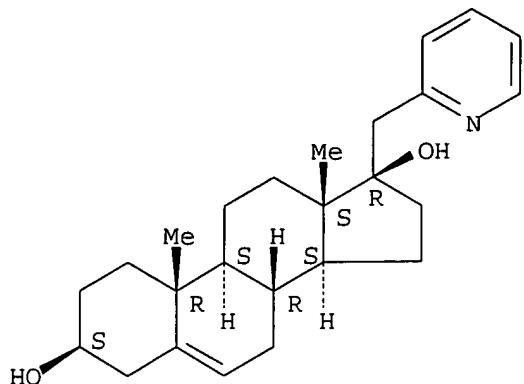
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

5 REFERENCES IN FILE CA (1962 TO DATE)  
5 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L2 ANSWER 5 OF 37 REGISTRY COPYRIGHT 2003 ACS  
RN 59810-26-3 REGISTRY  
CN Androst-5-ene-3,17-diol, 17-(2-pyridinylmethyl)-, (3.β.,17.β.)- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Androst-5-ene-3.β.,17.β.-diol, 17-(2-pyridylmethyl)- (6CI)  
OTHER NAMES:  
CN 3.β.,17.β.-Dihydroxy-17.α.-picoly1-5-androstene  
FS STEREOSEARCH  
MF C25 H35 N O2  
CI COM  
LC STN Files: BEILSTEIN\*, CA, CAOLD, CAPLUS, CASREACT

(\*File contains numerically searchable property data)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

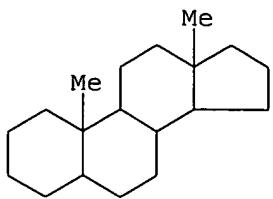
7 REFERENCES IN FILE CA (1962 TO DATE)  
7 REFERENCES IN FILE CAPLUS (1962 TO DATE)  
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d L2 6-10

L2 ANSWER 6 OF 37 REGISTRY COPYRIGHT 2003 ACS  
RN 55355-36-7 REGISTRY  
CN **Androstenone, dihydroxy(sulfoxy)- (9CI)** (CA INDEX NAME)  
OTHER NAMES:  
CN **Androstenetriolone monosulfate**  
MF C19 H28 O7 S  
CI IDS  
LC STN Files: CA, CAPLUS

CM 1

CRN 55355-35-6  
CMF C19 H30 O7 S  
CCI IDS



D1—OSO<sub>3</sub>H

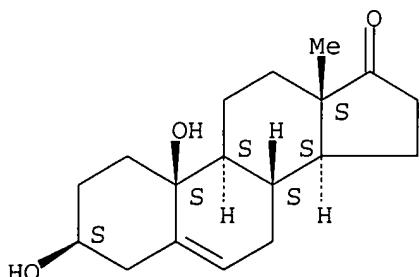
2 ( D1—OH )

D2=O

1 REFERENCES IN FILE CA (1962 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L2 ANSWER 7 OF 37 REGISTRY COPYRIGHT 2003 ACS  
 RN 52906-07-7 REGISTRY  
 CN Estr-5-en-17-one, 3,10-dihydroxy-, (3. $\beta$ .)- (9CI) (CA INDEX NAME)  
 OTHER NAMES:  
 CN 3. $\beta$ .,19-Dihydroxy-5-androstene-17-one  
 FS STEREOSEARCH  
 MF C18 H26 O3  
 LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER

Absolute stereochemistry.



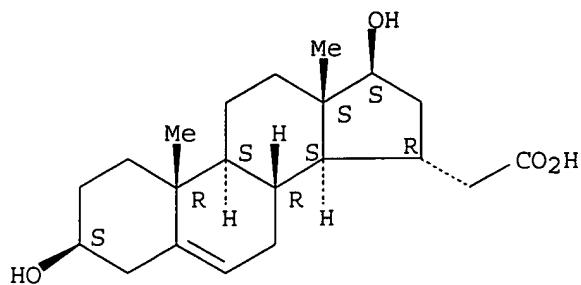
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

4 REFERENCES IN FILE CA (1962 TO DATE)  
4 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L2 ANSWER 8 OF 37 REGISTRY COPYRIGHT 2003 ACS  
 RN 52718-41-9 REGISTRY  
 CN Androst-5-ene-15-acetic acid, 3,17-dihydroxy-, (3. $\beta$ .,15. $\alpha$ .,17. $\beta$ .)- (9CI) (CA INDEX NAME)  
 OTHER NAMES:  
 CN 15. $\alpha$ -Carboxymethyl-5-androstan-3. $\beta$ .,17. $\beta$ -diol  
 FS STEREOSEARCH  
 MF C21 H32 O4  
 LC STN Files: BEILSTEIN\*, CA, CAPLUS, TOXCENTER

(\*File contains numerically searchable property data)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

3 REFERENCES IN FILE CA (1962 TO DATE)  
3 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L2 ANSWER 9 OF 37 REGISTRY COPYRIGHT 2003 ACS

RN 52718-21-5 REGISTRY

CN Androst-4-en-3-one, 7,17-dihydroxy-17-methyl-, (7.beta.,17.beta.)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 7.beta.,17.beta.-Hydroxy-17.alpha.-methyl-4-androstene-3-one

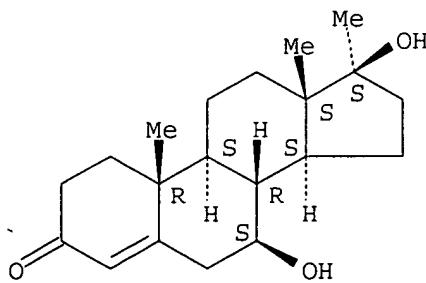
FS STEREOSEARCH

MF C20 H30 O3

LC STN Files: BEILSTEIN\*, CA, CAPLUS, CASREACT

(\*File contains numerically searchable property data)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

3 REFERENCES IN FILE CA (1962 TO DATE)  
3 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L2 ANSWER 10 OF 37 REGISTRY COPYRIGHT 2003 ACS

RN 35174-68-6 REGISTRY

CN Androst-4-en-17-one, 3,6-dihydroxy-, (6.beta.)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 3.xi.,6.beta.-Dihydroxy-4-androstene-17-one

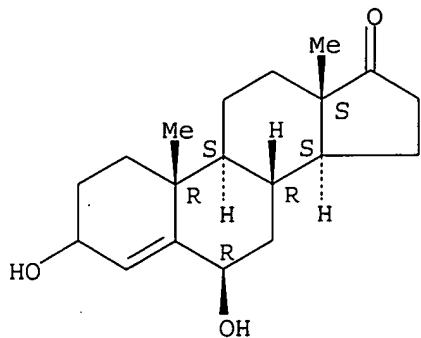
FS STEREOSEARCH

MF C19 H28 O3

LC STN Files: BEILSTEIN\*, CA, CAPLUS

(\*File contains numerically searchable property data)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

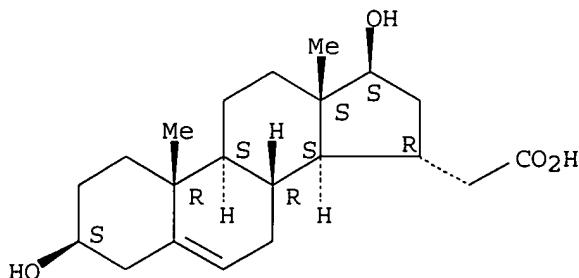
1 REFERENCES IN FILE CA (1962 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> s L2 and 3,17-dihydroxy  
20898 3,17  
305605 DIHYDROXY  
2358 3,17-DIHYDROXY  
(3,17(W)DIHYDROXY)  
L3 8 L2 AND 3,17-DIHYDROXY

=> d L3 1-8

L3 ANSWER 1 OF 8 REGISTRY COPYRIGHT 2003 ACS  
RN 52718-41-9 REGISTRY  
CN Androst-5-ene-15-acetic acid, 3,17-dihydroxy-,  
(3.beta.,15.alpha.,17.beta.)- (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 15.alpha.-Carboxymethyl-5-androstene-3.beta.,17.beta.-diol  
FS STEREOSEARCH  
MF C21 H32 O4  
LC STN Files: BEILSTEIN\*, CA, CAPLUS, TOXCENTER  
(\*File contains numerically searchable property data)

Absolute stereochemistry.

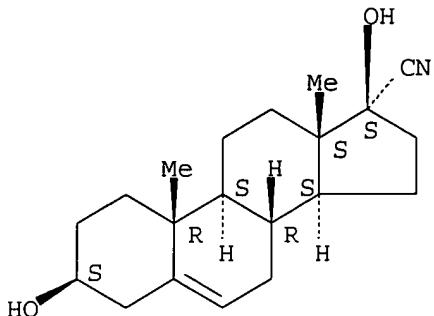


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

3 REFERENCES IN FILE CA (1962 TO DATE)  
3 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L3 ANSWER 2 OF 8 REGISTRY COPYRIGHT 2003 ACS  
 RN 35060-03-8 REGISTRY  
 CN Androst-5-ene-17-carbonitrile, 3,17-dihydroxy-, (3. $\beta$ .,17. $\beta$ .)-  
 (9CI) (CA INDEX NAME)  
 OTHER NAMES:  
 CN 17. $\alpha$ -Cyano-5-androstene-3. $\beta$ .,17. $\beta$ .-diol  
 FS STEREOSEARCH  
 MF C20 H29 N O2  
 LC STN Files: BEILSTEIN\*, CA, CAPLUS, CASREACT  
 (\*File contains numerically searchable property data)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

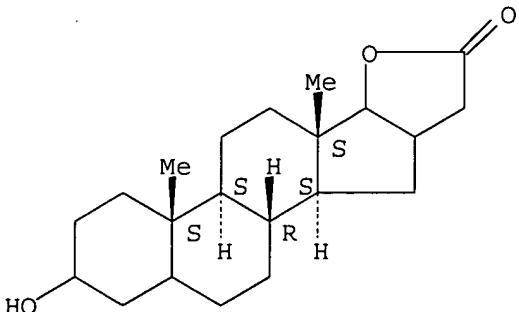
7 REFERENCES IN FILE CA (1962 TO DATE)  
 7 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L3 ANSWER 3 OF 8 REGISTRY COPYRIGHT 2003 ACS  
 RN 34802-88-5 REGISTRY  
 CN Androstene-16-acetic acid, 3,17-dihydroxy-, .gamma.-lactone (8CI)  
 (CA INDEX NAME)  
 FS STEREOSEARCH  
 MF C21 H30 O3  
 CI IDS

CM 1

CRN 34653-16-2  
 CMF C21 H32 O3

Absolute stereochemistry.

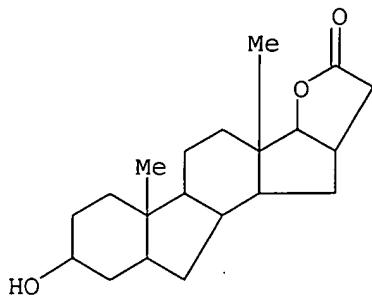


L3 ANSWER 4 OF 8 REGISTRY COPYRIGHT 2003 ACS

RN 34639-02-6 REGISTRY  
CN **B-Norandrostene-16-acetic acid, 3,17-dihydroxy-, .gamma.-lactone**  
(8CI) (CA INDEX NAME)  
MF C20 H28 O3  
CI IDS

CM 1

CRN 47265-57-6  
CMF C20 H30 O3



L3 ANSWER 5 OF 8 REGISTRY COPYRIGHT 2003 ACS  
RN 32734-74-0 REGISTRY  
CN **B-Homoandrostene-16-acetic acid, 3,17-dihydroxy-, .gamma.-lactone**  
(9CI) (CA INDEX NAME)

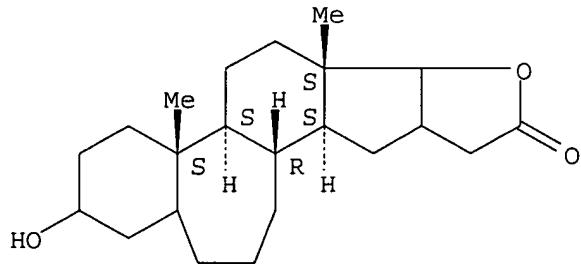
OTHER CA INDEX NAMES:

CN **Benzo[3',4']cyclohept[1',2':4,5]indeno[1,2-b]furan,**  
**B-homoandrostene-16-acetic acid deriv.**  
FS STEREOSEARCH  
MF C22 H32 O3  
CI IDS

CM 1

CRN 47418-85-9  
CMF C22 H34 O3

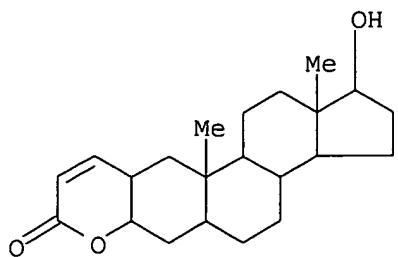
Absolute stereochemistry.



L3 ANSWER 6 OF 8 REGISTRY COPYRIGHT 2003 ACS  
RN 31855-01-3 REGISTRY  
CN **Androstene-2-acrylic acid, 3,17-dihydroxy-, .delta.-lactone** (8CI)  
(CA INDEX NAME)  
MF C22 H30 O3  
CI IDS

CM 1

CRN 47418-68-8  
CMF C22 H32 O3

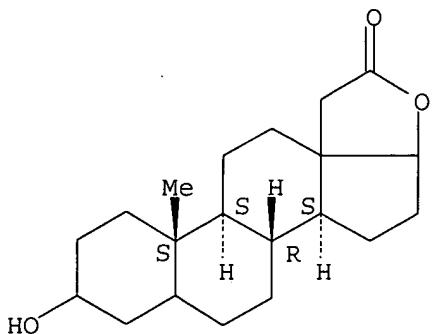


L3 ANSWER 7 OF 8 REGISTRY COPYRIGHT 2003 ACS  
RN 31830-96-3 REGISTRY  
CN **Androstene-18-carboxylic acid, 3,17-dihydroxy-, .gamma.-lactone (8CI)** (CA INDEX NAME)  
FS STEREOSEARCH  
MF C20 H28 O3  
CI IDS

CM 1

CRN 31767-74-5  
CMF C20 H28 O3

Absolute stereochemistry.



L3 ANSWER 8 OF 8 REGISTRY COPYRIGHT 2003 ACS  
RN 1159-66-6 REGISTRY  
CN **Androst-5-en-16-one, 3,17-dihydroxy-, (3.beta.,17.beta.)- (9CI)** (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN **Androst-5-en-16-one, 3.beta.,17.beta.-dihydroxy-** (7CI, 8CI)

OTHER NAMES:

CN **16-Oxoandrostenediol**

CN **3.beta.,17.beta.-Dihydroxyandrost-5-en-16-one**

CN **5-Androsten-3.beta.,17.beta.-diol-16-one**

CN **Androst-5-ene-3.beta.,17.beta.-diol-16-one**

FS STEREOSEARCH

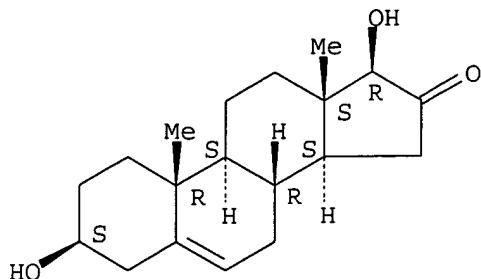
MF C19 H28 O3

CI COM

LC STN Files: ANABSTR, BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT,  
CSChem, MEDLINE, TOXCENTER

(\*File contains numerically searchable property data)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

113 REFERENCES IN FILE CA (1962 TO DATE)  
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
113 REFERENCES IN FILE CAPLUS (1962 TO DATE)  
17 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> S 3.beta.,17.beta.-dihydroxyandrost-5-ene

4014 3.BETA.,17.BETA.  
203 DIHYDROXYANDROST

7849370 5

3919572 ENE

19066 ENES

3919572 ENE

(ENE OR ENES)

L4 2 3.BETA.,17.BETA.-DIHYDROXYANDROST-5-ENE

(3.BETA.,17.BETA. (W) DIHYDROXYANDROST (W) 5 (W) ENE)

=> d L4 1-2

L4 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2003 ACS

RN 2099-26-5 REGISTRY

CN Androst-5-ene-3,17-diol, diacetate, (3.beta.,17.beta.)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Androst-5-ene-3.beta.,17.beta.-diol, diacetate (6CI, 7CI, 8CI)

OTHER NAMES:

CN 3.beta.,17.beta.-Diacetoxysteroid-5-ene

CN 3.beta.,17.beta.-Dihydroxyandrost-5-ene diacetate

CN Androst-5-ene-3.beta.,17.beta.-diyl diacetate

CN Androstanediol 3,17-diacetate

FS STEREOSEARCH

DR 25331-40-2

MF C23 H34 O4

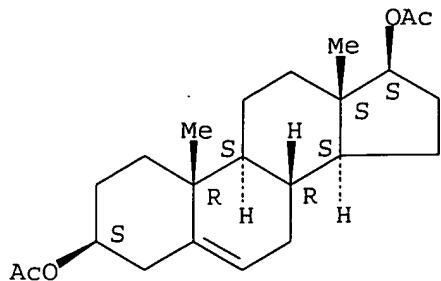
LC STN Files: BEILSTEIN\*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, HODOC\*, IFICDB, IFIPAT, IFIUDB, MRCK\*, SPECINFO, TOXCENTER, USPATFULL

(\*File contains numerically searchable property data)

Other Sources: EINECS\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.

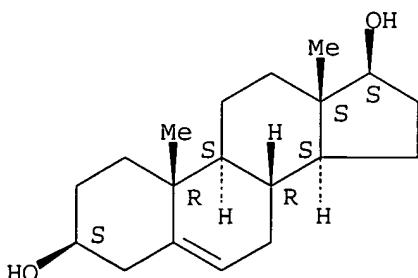


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

85 REFERENCES IN FILE CA (1962 TO DATE)  
 85 REFERENCES IN FILE CAPLUS (1962 TO DATE)  
 19 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L4 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2003 ACS  
 RN 521-17-5 REGISTRY  
 CN Androst-5-ene-3,17-diol, (3.beta.,17.beta.)- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Androst-5-ene-3.beta.,17.beta.-diol (7CI, 8CI)  
 OTHER NAMES:  
 CN .DELTA.5-Androstene-3.beta.,17.beta.-diol  
 CN .DELTA.5-Androstanediol  
 CN 3.beta.,17.beta.-Androst-5-enediol  
 CN 3.**beta.**,17.**beta.**-Dihydroxyandrost-5-ene  
 CN Androst-5-enediol  
 CN Androstanediol  
 CN Hermaphrodiol  
 AR 28652-91-7  
 FS STEREOSEARCH  
 MF C19 H30 O2  
 CI COM  
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS,  
     BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS,  
     CHEMLIST, CSCHEM, DDFU, DRUGU, EMBASE, IPA, MEDLINE, MRCK\*, NAPRALERT,  
     NIOSHTIC, PROMT, RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER, USAN, USPATFULL  
     (\*File contains numerically searchable property data)  
 Other Sources: EINECS\*\*  
     (\*\*Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1122 REFERENCES IN FILE CA (1962 TO DATE)  
26 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
1122 REFERENCES IN FILE CAPLUS (1962 TO DATE)  
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> s 53-43-0/rn  
L5 1 53-43-0/RN

=> s 521-17-5/rn  
L6 1 521-17-5/RN

=> s 63-05-8/rn  
L7 1 63-05-8/RN

=> s 145-13-1/rn  
L8 1 145-13-1/RN

=> s 387-79-1/rn  
L9 1 387-79-1/RN

=> s 304655-83-2/rn  
L10 1 304655-83-2/RN

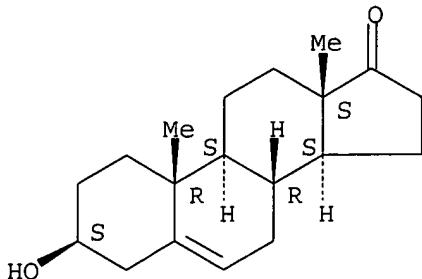
=> s 28901-70-4/rn  
L11 1 28901-70-4/RN

=> d 15

L5 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS  
RN 53-43-0 REGISTRY  
CN Androst-5-en-17-one, 3-hydroxy-, (3. $\beta$ .)- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Androst-5-en-17-one, 3. $\beta$ .-hydroxy- (8CI)  
OTHER NAMES:  
CN .DELTA.5-Androsten-3. $\beta$ .-ol-17-one  
CN 17-Chetovis  
CN 17-Hormoforin  
CN 3. $\beta$ .-Hydroxy-.DELTA.5-androsten-17-one  
CN 3. $\beta$ .-Hydroxyandrost-5-en-17-one  
CN 3. $\beta$ .-Hydroxyandrost-5-ene-17-one  
CN 5,6-Dehydroisoandrosterone  
CN 5,6-Didehydroisoandrosterone  
CN 5-Androsten-3. $\beta$ .-ol-17-one  
CN 5-Dehydroepiandrosterone  
CN Androst-5-ene-3. $\beta$ .-ol-17-one  
CN Androstenolone  
CN Dehydro-epi-androsterone  
CN Dehydroepiandrosterone  
CN Dehydroisoandrosterone  
CN DHA  
CN DHEA  
CN Diandron  
CN Diandrone  
CN GL 701  
CN IM 28  
CN Prasterone  
CN Psicosterone  
CN trans-Dehydroandrosterone  
FS STEREOSEARCH  
DR 9013-35-8, 105597-37-3, 108673-53-6  
MF C19 H28 O2  
CI COM

LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DRUGNL, DRUGU, DRUGUPDATES, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, NAPRALERT, NIOSHTIC, PHAR, PROMT, RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL, VETU  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, WHO  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry. Rotation (+).



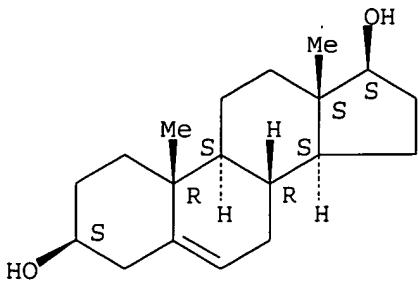
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

6237 REFERENCES IN FILE CA (1962 TO DATE)  
 140 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 6245 REFERENCES IN FILE CAPLUS (1962 TO DATE)  
 93 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d 16

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS  
 RN 521-17-5 REGISTRY  
 CN Androst-5-ene-3,17-diol, (3. $\beta$ .,17. $\beta$ .)- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Androst-5-ene-3. $\beta$ .,17. $\beta$ .-diol (7CI, 8CI)  
 OTHER NAMES:  
 CN . $\Delta$ .5-Androstene-3. $\beta$ .,17. $\beta$ .-diol  
 CN . $\Delta$ .5-Androstanediol  
 CN 3. $\beta$ .,17. $\beta$ .-Androst-5-enediol  
 CN 3. $\beta$ .,17. $\beta$ .-Dihydroxyandrost-5-ene  
 CN Androst-5-enediol  
 CN Androstanediol  
 CN Hermaphrodiol  
 AR 28652-91-7  
 PS STEREOSEARCH  
 MF C19 H30 O2  
 CI COM  
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMLIST, CSCHEM, DDFU, DRUGNL, DRUGU, EMBASE, IPA, MEDLINE, MRCK\*, NAPRALERT, NIOSHTIC, PROMT, RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER, USAN, USPATFULL  
 (\*File contains numerically searchable property data)  
 Other Sources: EINECS\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1122 REFERENCES IN FILE CA (1962 TO DATE)  
 26 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 1122 REFERENCES IN FILE CAPLUS (1962 TO DATE)  
 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d 17

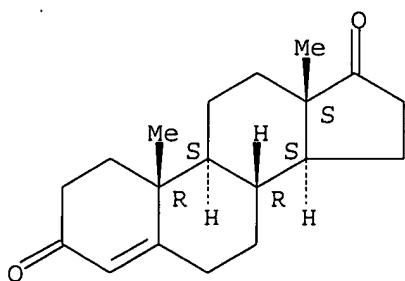
L7 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS  
 RN 63-05-8 REGISTRY  
 CN Androst-4-ene-3,17-dione (8CI, 9CI) (CA INDEX NAME)  
 OTHER NAMES:  
 CN .DELTA.4-Androstene-3,17-dione  
 CN 17-Ketotestosterone  
 CN 3,17-Dioxoandrost-4-ene  
 CN Androstenedione  
 CN Fecundin  
 CN SKF 2170  
 FS STEREOSEARCH  
 DR 104534-78-3, 40786-82-1, 117598-81-9  
 MF C19 H26 O2  
 CI COM  
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS,  
 BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN,  
 CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DRUGU,  
 EMBASE, HODOC\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, NAPRALERT,  
 NIOSHTIC, PIRA, PROMT, RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER, USAN,  
 USPATFULL, VETU

(\*File contains numerically searchable property data)

Other Sources: EINECS\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry. Rotation (+).



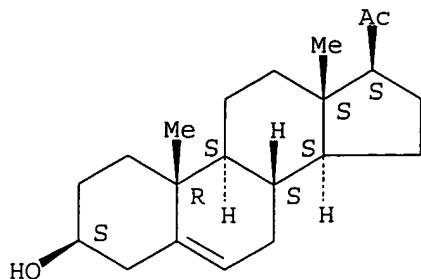
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

7891 REFERENCES IN FILE CA (1962 TO DATE)  
68 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
7899 REFERENCES IN FILE CAPLUS (1962 TO DATE)  
20 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d 18

L8 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS  
RN 145-13-1 REGISTRY  
CN Pregn-5-en-20-one, 3-hydroxy-, (3.beta.)- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Pregn-5-en-20-one, 3.beta.-hydroxy- (8CI)  
OTHER NAMES:  
CN (3.beta.)-3-Hydroxypregn-5-en-20-one  
CN .DELTA.5-Pregnen-3.beta.-ol-20-one  
CN .DELTA.5-Pregnene-3.beta.-ol-20-one  
CN .DELTA.5-Pregnenolone  
CN 17.beta.-[1-Ketoethyl]-.DELTA.5-androsten-3.beta.-ol  
CN 3.beta.-Hydroxy-.DELTA.5-pregnen-20-one  
CN 3.beta.-Hydroxy-5-pregnene-20-one  
CN 3.beta.-Hydroxypregn-5-en-20-one  
CN 5-Pregnenolone  
CN Arthenolone  
CN Bina-Skin  
CN Enelone  
CN Natolone  
CN Pregn-5-en-3.beta.-ol-20-one  
CN Pregn-5-ene-3.beta.-ol-20-one  
CN Pregnenolone  
CN Pregnenolone (progesterone precursor)  
CN Pregnetan  
CN Pregneton  
CN Pregnolon  
CN Prenolon  
CN Regnosone  
CN Skinostelon  
FS STEREOSEARCH  
DR 2481-60-9, 72560-38-4, 116907-59-6  
MF C21 H32 O2  
CI COM  
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*,  
BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT,  
CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DDFU,  
DIOGENES, DRUGU, EMBASE, HODOC\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE,  
MRCK\*, NAPRALERT, NIOSHTIC, PIRA, PROMT, RTECS\*, SPECINFO, SYNTHLINE,  
TOXCENTER, USAN, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: EINECS\*\*, WHO  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



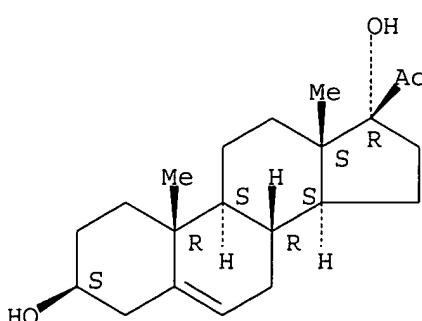
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

4069 REFERENCES IN FILE CA (1962 TO DATE)  
 77 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 4072 REFERENCES IN FILE CAPLUS (1962 TO DATE)  
 38 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d 19

L9 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS  
 RN 387-79-1 REGISTRY  
 CN Pregn-5-en-20-one, 3,17-dihydroxy-, (3. $\beta$ .)- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Pregn-5-en-20-one, 3. $\beta$ .,17-dihydroxy- (8CI)  
 OTHER NAMES:  
 CN 17-Hydroxy-. $\Delta$ .5-pregnenolone  
 CN 17-Hydroxypregnenolone  
 CN 17. $\alpha$ -Hydroxypregnenolone  
 CN 3. $\beta$ .,17-Dihydroxy-5-pregn-20-one  
 CN 3. $\beta$ .,17. $\alpha$ -Dihydroxypregn-5-en-20-one  
 CN 5-Pregn-3. $\beta$ .,17. $\alpha$ -diol-20-one  
 FS STEREOSEARCH  
 DR 6697-78-5, 570-57-0, 1499-60-1, 1920-70-3, 85179-30-2  
 MF C21 H32 O3  
 CI COM  
 LC STN Files: ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA,  
 CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CSCHEM, DDFU,  
 DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, MEDLINE, RTECS\*, SPECINFO,  
 TOXCENTER, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)  
 Other Sources: EINECS\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



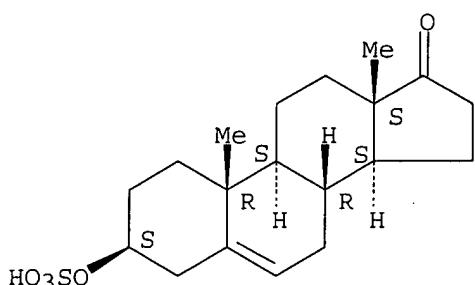
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

961 REFERENCES IN FILE CA (1962 TO DATE)  
10 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
961 REFERENCES IN FILE CAPLUS (1962 TO DATE)  
37 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d l10

L10 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS  
RN 304655-83-2 REGISTRY  
CN Androst-5-en-17-one, 3-(sulfooxy)-, sodium salt, monohydrate, (3. $\beta$ .)-  
(9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C19 H28 O5 S . H2 O . Na  
SR CAS Registry Services  
LC STN Files: CHEMCATS  
CRN (651-48-9)

Absolute stereochemistry.



● Na

● H<sub>2</sub>O

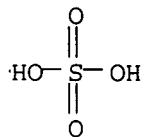
=> d L11

L11 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS  
RN 28901-70-4 REGISTRY  
CN Pregn-5-en-20-one, 3,17-dihydroxy-, mono(hydrogen sulfate), (3. $\beta$ .)-  
(9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Pregn-5-en-20-one, 3. $\beta$ .,17-dihydroxy-, mono(hydrogen sulfate) (8CI)  
OTHER NAMES:  
CN 17-Hydroxypregnenolone monosulfate  
CN 17. $\alpha$ -Hydroxypregnenolone monosulfate  
CN 17. $\alpha$ -Hydroxypregnenolone sulfate  
FS STEREOSEARCH  
MF C21 H32 O6 S  
CI IDS, COM

LC STN Files: CA, CAPLUS, MEDLINE, TOXCENTER, USPAT2, USPATFULL

CM 1

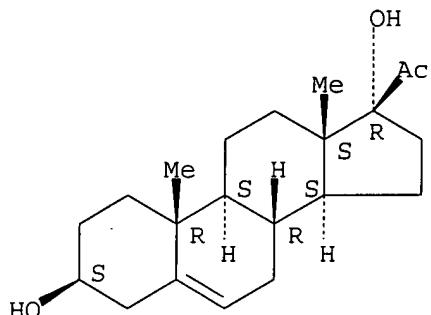
CRN 7664-93-9  
CMF H2 O4 S



CM 2

CRN 387-79-1  
CMF C21 H32 O3

## Absolute stereochemistry.



33 REFERENCES IN FILE CA (1962 TO DATE)  
33 REFERENCES IN FILE CAPLUS (1962 TO DATE)

FILE 'CAPLUS' ENTERED AT 16:53:16 ON 07 JAN 2003  
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FILE COVERS 1907 - 7 Jan 2003 VOL 138 ISS 2  
FILE LAST UPDATED: 6 Jan 2003 (20030106/ED)

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CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s L5 or L6 or L7 or L8 or L9 or L10 or L11

6330 L5

1131 L6

7999 L7

4148 L8

981 L9

0 L10

33 L11

L12 14949 L5 OR L6 OR L7 OR L8 OR L9 OR L10 OR L11

=> s l12 and skin

182465 SKIN

8312 SKINS

187366 SKIN

(SKIN OR SKINS)

L13 375 L12 AND SKIN

=> s L13 and bleach

12339 BLEACH

2125 BLEACHES

13574 BLEACH

(BLEACH OR BLEACHES)

L14 0 L13 AND BLEACH

=> s L13 and depigment?

819 DEPIGMENT?

L15 4 L13 AND DEPIGMENT?

=> d L15 1-4 ibib

L15 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:465779 CAPLUS

DOCUMENT NUMBER: 137:37410

TITLE: Cosmetic composition containing 7-hydroxy DHEA and/or 7-keto DHEA and at least a **depigmentation agent**

INVENTOR(S): Courchay, Guy

PATENT ASSIGNEE(S): L'oreal, Fr.

SOURCE: PCT Int. Appl., 14 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002047647	A1	20020620	WO 2001-FR3633	20011120
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,  
 CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,  
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  
 FR 2818138 A1 20020621 FR 2000-16443 20001215  
 AU 2002021995 A5 20020624 AU 2002-21995 20011120  
 PRIORITY APPLN. INFO.: FR 2000-16443 A 20001215  
 WO 2001-FR3633 W 20011120  
 REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2002:71826 CAPLUS  
 DOCUMENT NUMBER: 136:123403  
 TITLE: Cosmetic composition containing dehydroepiandrosterone  
 and isoflavonoid  
 INVENTOR(S): Breton, Lionel; Liviero, Christel  
 PATENT ASSIGNEE(S): L'oreal, Fr.  
 SOURCE: PCT Int. Appl., 25 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002005764	A1	20020124	WO 2001-FR1787	20010608
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG		
FR 2811562	A1	20020118	FR 2000-9220	20000713
PRIORITY APPLN. INFO.:			FR 2000-9220	A 20000713
REFERENCE COUNT:	11	THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L15 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 2001:279402 CAPLUS  
 DOCUMENT NUMBER: 134:300637  
 TITLE: Use of DHEA or its precursors and metabolites as  
 skin depigmentation agents  
 INVENTOR(S): De, Lacharriere Oliver; Nouveau, Stephanie  
 PATENT ASSIGNEE(S): L'oreal, Fr.  
 SOURCE: Eur. Pat. Appl., 10 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1092423	A2	20010418	EP 2000-118605	20000828
EP 1092423	A3	20010829	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO	
FR 2799645	A1	20010420	FR 1999-12773	19991013
JP 2001131072	A2	20010515	JP 2000-303977	20001003

WO 2001026618	A2	20010419	WO 2000-FR2879	20001013
WO 2001026618	A3	20020510		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
FR 2803514	A1	20010713	FR 2000-13184	20001013
EP 1221933	A2	20020717	EP 2000-968050	20001013
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
PRIORITY APPLN. INFO.:			FR 1999-12773	A 19991013
			WO 2000-FR2879	W 20001013

L15 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2000:520 CAPLUS  
 DOCUMENT NUMBER: 132:26655  
 TITLE: Cosmetic or dermatological water-in-oil emulsions containing cyclomethicones and phospholipids  
 INVENTOR(S): Meybeck, Alain  
 PATENT ASSIGNEE(S): LVMH Recherche, Fr.  
 SOURCE: Fr. Demande, 12 pp.  
 CODEN: FRXXBL  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	-----	-----	-----	-----
FR 2777181	A1	19991015	FR 1998-4543	19980410
PRIORITY APPLN. INFO.:			FR 1998-4543	19980410
OTHER SOURCE(S):	MARPAT 132:26655			

=> d 115 1-4 kwic

L15 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2003 ACS  
 TI Cosmetic composition containing 7-hydroxy DHEA and/or 7-keto DHEA and at least a **depigmentation** agent  
 AB . . . medium: (a) at least a dehydroepiandrosterone (DHEA) deriv. selected among 7-hydroxy DHEA and 7-keto DHEA, and (b) at least a **depigmentation** agent. The invention also concerns cosmetic use of said compn. for preventing or treating actinic **skin** ageing symptoms. A **depigmentation** lotion contained kojic acid 1.00, 7.alpha.-DHEA, 0.10, capryloyl salicylic acid 2.00, ethanol 48.00, water 9.3, polyethylene glycol 39.50, and preservatives.  
 ST cosmetic dehydroepiandrosterone deriv **depigmentation** agent  
 IT Cosmetics  
     (antiaging; cosmetic compn. comprising hydroxy-dehydroepiandrosterone derivs. and **depigmentation** agent)  
 IT Skin, disease  
     (**depigmentation**; cosmetic compn. comprising hydroxy-dehydroepiandrosterone derivs. and **depigmentation** agent)  
 IT Licorice (*Glycyrrhiza*)  
     (ext.; cosmetic compn. comprising hydroxy-dehydroepiandrosterone derivs. and **depigmentation** agent)  
 IT Cosmetics

(gels; cosmetic compn. comprising hydroxy-dehydroepiandrosterone derivs. and **depigmentation** agent)

IT Cosmetics  
(lotions; cosmetic compn. comprising hydroxy-dehydroepiandrosterone derivs. and **depigmentation** agent)

IT 50-81-7D, Ascorbic acid, esters and salts 50-81-7D, L-Ascorbic acid, glucose derivs. 50-99-7D, D-Glucose, ascorbic acid derivs. 53-00-9, 7.alpha.-HydroxyDehydroepiandrosterone 53-43-0, Dhea 123-31-9, Hydroquinone, biological studies 476-66-4, Ellagic acid 497-76-7, Arbutin 497-76-7D, Arbutin, derivs. 501-30-4, Kojic acid 566-19-8 2487-48-1, 7.beta.-Hydroxy-Dehydroepiandrosterone 7159-95-7 7522-54-5, 7-Hydroxy-dehydroepiandrosterone 19771-63-2, Procysteine 19771-63-2D, Procysteine, esters and salts 27598-85-2D, Aminophenol, derivs. 220717-78-2  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(cosmetic compn. comprising hydroxy-dehydroepiandrosterone derivs. and **depigmentation** agent)

L15 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2003 ACS

AB . . . isoflavonoid. The invention also concerns the cosmetic and dermatol. uses of said compn., in particular for preventing or treating actinic **skin** ageing symptoms. A **depigmentation** lotion contained 3-.beta.-17-oxoandrost-5-en-3-yle glycinate 10, propylene glycol 15, ethanol 65, soya ext. (contg. 0.2% isoflavones and 30% butylene glycol) 5. . . .

IT **Skin**, disease  
(**depigmentation**; cosmetic compn. contg. dehydroepiandrosterone and isoflavonoid)

IT 53-43-0, Dehydroepiandrosterone 53-43-0D, Dehydroepiandrosterone, esters 126-18-1, Smilagenin 126-19-2 446-95-7, Genisteine 467-55-0, Hecogenin 480-23-9, Orobol 480-86-4, Retusine 485-72-3, Formononetin 486-66-8, Daidzein 512-04-9, Diosgenin 529-59-9, Genistin 529-60-2, Santal 548-77-6, Tectorigenin 550-79-8, Afrormosin 552-59-0, Prunetin 552-66-9, Daidzin 651-48-9, Dehydroepiandrosterone sulfate 853-23-6 2284-31-3, Pratensein 2345-17-7, Irisolidone 4569-98-6, Isoprunetin 7642-68-4, Dehydroepiandrosterone valerate 7741-28-8, Cuneatin 14504-94-0, Androst-5-ene-3,17-diol 17218-62-1, Androst-4-ene-3,17-diol 23983-43-9, Dehydroepiandrosterone enanthate 24211-36-7, Jamaicin 32884-36-9, Cajanin 40957-83-3, Glycitein 76265-28-6, Junipegenin a 188750-82-5, Dehydroepiandrosterone salicylate 260782-83-0  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(cosmetic compn. contg. dehydroepiandrosterone and isoflavonoid)

L15 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2003 ACS

TI Use of DHEA or its precursors and metabolites as **skin depigmentation** agents

AB DHEA (dehydroepiandrosterone) or its precursors and metabolites as **skin depigmentation** agents. A cosmetic compn. contained DHEA 2, propylene glycol isostearate 13, polyethylene glycol 5, propylene glycol 3, pentylene glycol 3, . . . alc. 1, gelling agents 0.5, C12-15 alkyl benzoate 4, ethanol 3, sodium hydroxide 0.12, preservatives 0.7, and water q.s. 100%. **Depigmentation** activity of the compn. was tested in 55-70 yr volunteers.

ST DHEA metabolite **skin depigmentation** cosmetic

IT **Skin**, disease  
(**depigmentation**; use of DHEA or its precursors and metabolites as **skin depigmentation** agents)

IT Carbohydrates, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(derivs.; use of DHEA or its precursors and metabolites as **skin depigmentation** agents)

IT Licorice (*Glycyrrhiza*)  
Mulberry  
*Scutellaria*  
(ext.; use of DHEA or its precursors and metabolites as **skin depigmentation agents**)

IT Carboxylic acids, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(hydroxy; use of DHEA or its precursors and metabolites as **skin depigmentation agents**)

IT Carboxylic acids, biological studies  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(oxo; use of DHEA or its precursors and metabolites as **skin depigmentation agents**)

IT Cosmetics  
(**skin-lightening**; use of DHEA or its precursors and metabolites as **skin depigmentation agents**)

IT Cosmetics  
Sunscreens  
(use of DHEA or its precursors and metabolites as **skin depigmentation agents**)

IT Polysiloxanes, biological studies  
Retinoids  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(use of DHEA or its precursors and metabolites as **skin depigmentation agents**)

IT 9028-35-7, HMG-CoA reductase  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(inhibitors; use of DHEA or its precursors and metabolites as **skin depigmentation agents**)

IT 50-21-5, Lactic acid, biological studies 50-81-7, Ascorbic acid, biological studies 53-43-0, DHEA 57-88-5, Cholesterol, biological studies 63-05-8, 4-Androstene-3-17 dione 68-26-8, Retinol 68-26-8D, Retinol, esters 69-72-7, Salicylic acid, biological studies 77-92-9, Citric acid, biological studies 79-14-1, Glycolic acid, biological studies 87-69-4, Tartaric acid, biological studies 90-64-2, Mandelic acid 120-46-7D, Dibenzoylmethane, derivs. 123-31-9, Hydroquinone, biological studies 131-57-7, 2-Hydroxy 4 methoxybenzophenone 145-13-1, Pregnenolone 387-79-1, 17-Hydroxypregnенolone 476-66-4, Ellagic acid 497-76-7D, Arbutine, derivs. 501-30-4, Kojic acid 521-17-5, 5 Androstanediol 651-48-9, Dhea sulfate 4065-45-6, 2 Hydroxy 4 methoxybenzophenone 5 sulfonic acid 6197-30-4, Octocrylene 6915-15-7, Malic acid 7159-95-7 10380-41-3D, 2-Cyano-3,3-diphenylacrylic acid, alkyl derivs. 15087-24-8, Benzylidene camphor 16397-78-7, 2-Ethyl hexyl cinnamate 19771-63-2, Procysteine 19771-63-2D, Procysteine, esters 25654-87-9 27503-81-7, 2-Phenylbenzimidazole 5 sulfonic acid 27598-85-2D, Aminophenol, derivs. 28901-70-4, 17.alpha.-Hydroxypregnенolone sulfate 36861-47-9 63250-25-9, 4-(Isopropyl)dibenzoylmethane 70356-09-1 88122-99-0 155633-54-8 189746-43-8 220717-78-2 334658-18-3  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(use of DHEA or its precursors and metabolites as **skin depigmentation agents**)

L15 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS

IT Skin, disease  
(**depigmentation**; cosmetic or dermatol. water-in-oil emulsions contg. cyclomethicones and phospholipids)

IT Cosmetics  
(**skin-lightening**; cosmetic or dermatol. water-in-oil

emulsions contg. cyclomethicones and phospholipids)  
IT 50-70-4, D-Glucitol, biological studies 53-43-0 56-81-5,  
1,2,3-Propanetriol, biological studies 57-13-6, Urea, biological studies  
57-55-6, 1,2-Propanediol, biological studies 58-08-2, Caffein,  
biological studies 58-55-9, Theophyllin, biological studies 64-17-5,  
Ethanol, biological studies 69-72-7, Salicylic acid, biological studies  
71-23-8, Propanol, biological studies 73-31-4 81-13-0, Panthenol  
110-63-4, 1,4-Butanediol, biological studies 111-01-3, Perhydrosqualene  
123-31-9, Hydroquinone, biological studies 123-31-9D, Hydroquinone,  
derivs. 302-79-4, Retinoic acid 464-92-6D, Asiatic acid, derivs.  
477-32-7, Visnadine 501-30-4, Kojic acid 1449-05-4,  
.beta.-Glycyrrhetic acid 5289-74-7, 20-Hydroxyecdysone 7069-42-3,  
Vitamin a propionate 18449-41-7D, Madecassic acid, derivs. 28109-92-4,  
Methylxanthine 28874-51-3 53956-04-0, Ammonium glycyrrhizinate  
55306-04-2, Sericoside 60208-12-0, Dimethylxanthine  
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
(Uses)  
(cosmetic or dermatol. water-in-oil emulsions contg. cyclomethicones  
and phospholipids)

=> d his

(FILE 'HOME' ENTERED AT 16:05:47 ON 07 JAN 2003)

FILE 'REGISTRY' ENTERED AT 16:05:55 ON 07 JAN 2003  
E PREGNENOLONE  
E 5-ANDROSTENEDIOL

FILE 'REGISTRY' ENTERED AT 16:34:00 ON 07 JAN 2003

E HYDROXYPREGNENOLONE  
L1 33 S E3  
E DIHYDROXYANDROST  
E DIHYDROXYANDROSTENE  
L2 37 S DIHYDROXY AND ANDROSTENE  
L3 8 S L2 AND 3,17-DIHYDROXY  
L4 2 S 3.BETA.,17.BETA.-DIHYDROXYANDROST-5-ENE  
L5 1 S 53-43-0/RN  
L6 1 S 521-17-5/RN  
L7 1 S 63-05-8/RN  
L8 1 S 145-13-1/RN  
L9 1 S 387-79-1/RN  
L10 1 S 304655-83-2/RN  
L11 1 S 28901-70-4/RN

FILE 'CAPLUS' ENTERED AT 16:53:16 ON 07 JAN 2003

L12 14949 S L5 OR L6 OR L7 OR L8 OR L9 OR L10 OR L11  
L13 375 S L12 AND SKIN  
L14 0 S L13 AND BLEACH  
L15 4 S L13 AND DEPIGMENT?

=> s L12 and melasma  
64 MELASMA  
3 MELASMAS  
65 MELASMA  
(MELASMA OR MELASMAS)  
L16 1 L12 AND MELASMA

=> d L16 ti

L16 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS  
TI Pharmaceutical and cosmetic compositions containing oligosaccharide  
aldonic acids and their topical use

=> d L16 ibib,kwic

L16 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 2001:31287 CAPLUS  
DOCUMENT NUMBER: 134:105670  
TITLE: Pharmaceutical and cosmetic compositions containing  
oligosaccharide aldonic acids and their topical use  
INVENTOR(S): Yu, Ruey J.; Van Scott, Eugene J.  
PATENT ASSIGNEE(S): USA  
SOURCE: PCT Int. Appl., 86 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001001932	A2	20010111	WO 2000-US16301	20000628
WO 2001001932	A3	20010517		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6335023	B1	20020101	US 2000-487228	20000119
BR 2000011640	A	20020514	BR 2000-11640	20000628
EP 1227820	A2	20020807	EP 2000-950220	20000628
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
US 2002028227	A1	20020307	US 2001-987023	20011113
PRIORITY APPLN. INFO.:			US 1999-141264P P	19990630
			US 2000-487228 A	20000119
			WO 2000-US16301 W	20000628

OTHER SOURCE(S): MARPAT 134:105670

IT. Skin, disease

(*melasma*; pharmaceutical and cosmetic compns. contg.  
oligosaccharide aldonic acids and their topical use)

IT 50-02-2, Dexamethasone 50-03-3, Hydrocortisone 21-acetate 50-21-5,  
Lactic acid, biological studies 50-23-7, Hydrocortisone 50-28-2,  
Estradiol, biological studies 50-48-6, Amitriptyline 50-78-2,  
Acetylsalicylic acid 50-81-7, Ascorbic acid, biological studies  
51-03-6, Piperonyl butoxide 51-21-8, 5-Fluorouracil 51-55-8, Atropine,  
biological studies 53-43-0, Dehydroepiandrosterone 53-86-1,  
Indomethacin 55-56-1, Chlorhexidine 57-13-6, Urea, biological studies  
57-63-6, Ethinyl estradiol 58-73-1, Diphenhydramine 58-95-7, Vitamin E  
acetate 59-33-6, Pyrilamine 59-42-7, Phenylephrine 59-46-1, Procaine  
60-54-8, Tetracycline 64-65-3, Bemegride 65-45-2, Salicylamide  
67-73-2, Fluocinolone acetonide 67-78-7, Triamcinolone diacetate  
68-26-8, Retinol 68-35-9, Sulfadiazine 68-41-7, Cycloserine 68-88-2,  
Hydroxyzine 68-95-1, N-Acetylproline 69-72-7, Salicylic acid,  
biological studies 76-22-2, Camphor 76-25-5, Triamcinolone acetonide  
79-14-1, Glycolic acid, biological studies 79-81-2, Retinyl palmitate  
84-22-0, Tetrahydrozoline 86-21-5, Pheniramine 86-22-6,  
Brompheniramine 89-83-8, Thymol 90-45-9, Aminacrine 90-64-2,  
Mandelic acid 90-82-4, Pseudoephedrine 93-14-1, Guaifenesin 93-60-7,  
Methyl nicotinate 94-24-6, Tetracaine 94-36-0, Benzoyl peroxide,

biological studies 96-88-8, Mepivacaine 103-16-2, Monobenzone 108-46-3, Resorcinol, biological studies 108-95-2, Phenol, biological studies 112-38-9, Undecylenic acid 113-92-8 114-07-8, Erythromycin 116-31-4, Retinal 118-56-9, Homosalate 118-60-5, Octyl salicylate 119-36-8, Methyl salicylate 119-61-9, Benzophenone, biological studies 121-29-9, Pyrethrin 123-31-9, Hydroquinone, biological studies 123-31-9D, Hydroquinone, monoether derivs. 123-99-9, Azelaic acid, biological studies 124-43-6, Carbamide peroxide 126-07-8, Griseofulvin 127-47-9, Retinyl acetate 130-26-7, Clioquinol 131-57-7, Oxybenzone 136-77-6, Hexylresorcinol 137-58-6, Lidocaine 137-66-6, Ascorbyl palmitate 139-12-8, Aluminum acetate 140-65-8, Pramoxine 302-79-4, Retinoic acid 356-12-7, Fluocinonide 382-67-2, Desoximetasone 404-86-4, Capsaicin 443-48-1, Metronidazole 483-63-6, Crotamiton 486-12-4, Triprolidine 499-14-9, Chondrosine 499-15-0, Hyalobiuronic acid 501-30-4, Kojic acid 518-28-5, Podofilox 525-66-6, Propranolol 534-41-8, Celllobionic acid 534-42-9, Maltobionic acid 534-74-7, Isomaltobionic acid 547-64-8, Methyl lactate 562-10-7, Doxylamine 569-65-3, Meclizine 584-63-4 586-60-7, Dyclonine 721-50-6, Prilocaine 768-94-5, Amantadine 777-11-7, Haloprogin 1143-38-0, Anthralin 1198-84-1, 4-Hydroxymandelic acid 1319-82-0, Aminocaproic acid 1321-11-5, Aminobenzoic acid 1321-23-9, Chloroxylenol 1327-41-9, Aluminum chlorhydroxide 1400-61-9, Nystatin 1404-04-2, Neomycin 1405-87-4, Bacitracin 1406-18-4, Vitamin e 1490-04-6, Menthol 1491-59-4, Oxymetazoline 1668-19-5, Doxepin 2013-58-3, Meclocycline 2152-44-5, Betamethasone valerate 2398-96-1, Tolnaftate 3380-34-5, Triclosan 3808-00-2 4759-48-2, 13-Cis-Retinoic acid 5438-68-6 5466-77-3, Octyl 4-methoxycinnamate 5534-09-8, Beclomethasone dipropionate 5551-59-7, Cellobiouronic acid 5593-20-4, Betamethasone dipropionate 5611-51-8, Triamcinolone hexacetonide 5965-65-1, Lactobionolactone 7446-70-0, Aluminum chloride, biological studies 7512-17-6, N-Acetylglucosamine 7704-34-9, Sulfur, biological studies 7722-84-1, Hydrogen peroxide, biological studies 8029-68-3, Ichthammol 9012-76-4, Chitosan 10118-90-8, Minocycline 11103-57-4, Vitamin a 12650-69-0, Mupirocin 13431-32-8 13463-41-7, Zinc pyrithione 13609-67-1, Hydrocortisone 17-butyrate 14838-15-4, Phenylpropanolamine 15686-51-8, Clemastine 15687-27-1, Ibuprofen 16110-51-3, Cromolyn 18323-44-9, Clindamycin 18559-94-9, Albuterol 21245-02-3 21645-51-2, Aluminum hydroxide, biological studies 21675-38-7, Melibionic acid 22071-15-4, Ketoprofen 22204-53-1, Naproxen 22916-47-8, Miconazole 23593-75-1, Clotrimazole 25122-46-7, Cloetasol propionate 25655-41-8, Povidone iodine 27220-47-9, Econazole 28088-64-4, Aminosalicylic acid 28631-45-0D, lactone from 29342-05-0, Ciclopirox 30233-46-6 34150-97-5D, lactone from 38304-91-5, Minoxidil 38396-39-3, Bupivacaine 42776-28-3, Maltobionolactone 50612-42-5 52645-53-1, Permethrin 52762-22-8, Celllobionolactone 56093-45-9, Selenium sulfide 56933-14-3 57524-89-7, Hydrocortisone 17-valerate 59277-89-3, Acyclovir 61318-90-9, Sulconazole 64211-45-6, Oxiconazole 64872-76-0, Butoconazole 65277-42-1, Ketoconazole 65472-88-0, Naftifine 65899-73-2, Tioconazole 67915-31-5, Terconazole 77893-25-5 77893-26-6 91161-71-6, Terbinafine 99011-02-6, Imiquimod 106685-40-9, Adapalene 110558-39-9 110574-00-0 112965-21-6, Calcipotriene 118292-40-3, Tazarotene 184241-84-7 207738-18-9 318471-21-5 318471-22-6 318471-23-7 318471-24-8 318471-25-9 318471-26-0 318471-27-1 318471-28-2 318471-29-3 318471-30-6 318471-31-7 318471-32-8 318471-33-9 318471-34-0 318471-35-1 318471-36-2 318471-37-3 318471-38-4 318471-57-7

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(pharmaceutical and cosmetic compns. contg. oligosaccharide aldonic acids and their topical use)

```
=> s canities
L17      9 CANITIES

=> d L17 1 ti

L17  ANSWER 1 OF 9  CAPLUS  COPYRIGHT 2003 ACS
TI  Insect viruses expressing toxin genes from early promoters with increased
    virulence towards insect hostss

=> d L17 1 kwic

L17  ANSWER 1 OF 9  CAPLUS  COPYRIGHT 2003 ACS
IT  Diguetia canities
    Scorpio maurus palmatus
        (neurotoxins of; insect viruses expressing toxin genes from early
         promoters with increased virulence towards insect hostss)
IT  124354-86-5, Neurotoxin IT 2 (Androctonus australis reduced)
    130300-61-7, Neurotoxin IT 2 (Scorpio maurus palmatus reduced)
    130300-64-0, Neurotoxin IT 2 (Leiurus quinquestriatus hebraeus reduced)
    130300-67-3, Neurotoxin IT 2 (Leiurus quinquestriatus quinquestriatus
     reduced)  130300-69-5, Neurotoxin P 35 (Leiurus quinquestriatus hebraeus
     reduced)  133164-84-8, Neurotoxin IT 2 (Buthotus judaicus reduced)
    145894-61-7, Toxin DK 9.2 (Diguetia canities venom
    6.38-kilodalton reduced)  150656-79-4, Protein NPS 326 (Tegenaria
     agrestis venom clone pAdaI7 reduced)  150656-84-1, Protein NPS 331
     (Tegenaria agrestis venom clone pAdaI1 reduced)  150656-89-6, Protein NPS
     373 (Tegenaria agrestis venom clone pAdaI2 reduced)  153700-13-1, King
     kong peptide  173047-86-4D, .mu.-Agatoxin I, derivs.
    RL: BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological
     study); USES (Uses)
        (gene for, in insect viruses with improved virulence; insect viruses
         expressing toxin genes from early promoters with increased virulence
         towards insect hostss)

=> s L12 and L17
L18      0 L12 AND L17

=> s hair(p)grey
    45732 HAIR
    4057 HAIRS
    47747 HAIR
        (HAIR OR HAIRS)
    4542 GREY
    17 GREYS
    4555 GREY
        (GREY OR GREYS)
L19      87 HAIR(P)GREY

=> s hair(p)gray -
    45732 HAIR
    4057 HAIRS
    47747 HAIR
        (HAIR OR HAIRS)
    46449 GRAY
    234 GRAYS
    46647 GRAY
        (GRAY OR GRAYS)
L20      691 HAIR(P)GRAY

=> s L19 or L20
```

L21 774 L19 OR L20

=> s L12 and L21

L22 0 L12 AND L21

=> s hair

45732 HAIR

4057 HAIRS

L23 47747 HAIR

(HAIR OR HAIRS)

=> s L12 and L23

L24 120 L12 AND L23

=> s L24 and gray

46449 GRAY

234 GRAYS

46647 GRAY

(GRAY OR GRAYS)

L25 0 L24 AND GRAY

=> s L24 and grey

4542 GREY

17 GREYS

4555 GREY

(GREY OR GREYS)

L26 0 L24 AND GREY

=> s propigment?

L27 17 PROPIGMENT?

=> d L27 1 kwic

L27 ANSWER 1 OF 17 CAPLUS COPYRIGHT 2003 ACS

AB . . . al., 1973) for achieving genetic transformation is discussed. In detg. whether information carrying donor DNA might be available to the **propigment** cells of embryos of *Xiphophorus helleri*, which are the target cells for the transformation, heterologous donor DNA-2H,3H from *Escherichia coli*,. . . donor DNA is injected into the neural crest region. The probability that a foreign gene might become available to the **propigment** cells and might induce transformation is discussed.

=> s L27 and L12

L28 0 L27 AND L12

=> s L24 and color

348684 COLOR

36362 COLORS

368183 COLOR

(COLOR OR COLORS)

L29 3 L24 AND COLOR

=> d L29 1-3 ibib,kwic

L29 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:545057 CAPLUS

DOCUMENT NUMBER: 137:230715

TITLE: Isolated premature pubarche: ultrasonographic and **color** doppler analysis-a longitudinal study

AUTHOR(S): Battaglia, Cesare; Regnani, Giorgia; Mancini, Fulvia; Iughetti, Lorenzo; Bernasconi, Sergio; Volpe, Annibale; Flamigni, Carlo; Venturoli, Stefano

CORPORATE SOURCE: Reproductive Medicine Unit, University of Bologna,  
Bologna, 40138, Italy

SOURCE: Journal of Clinical Endocrinology and Metabolism  
(2002), 87(7), 3148-3154  
CODEN: JCEMAZ; ISSN: 0021-972X

PUBLISHER: Endocrine Society

DOCUMENT TYPE: Journal

LANGUAGE: English

REFERENCE COUNT: 73 THERE ARE 73 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

TI Isolated premature pubarche: ultrasonographic and **color** doppler analysis-a longitudinal study

AB Twenty-seven girls with premature pubarche were studied by ultrasonog. and **color** Doppler analyses to det. the incidence of polycystic ovaries (PCO), to longitudinally assess their evolution, and to search for any hormonal correlation. The girls were submitted to auxol., clin., and hormonal evaluation, and 21-hydroxylase deficiency was ruled out by an ACTH test. Furthermore, the girls underwent ultrasonog. and **color** Doppler ovarian and uterine analyses. Among girls with premature pubarche, the prevalence of PCO was 41%. Advanced skeletal maturation, tall stature, and increased **hair** distribution were const. in these patients. In patients with ultrasonog. and **color** Doppler evidence of PCO, the ovarian vol., the no. of small-sized subcapsular follicles, the stromal echogenicity, and the ovarian stromal vascularization progressively increased during the study. In the whole studied population, ovarian vol. correlated with the no. of small-sized follicles ( $r = 0.719$ ;  $P < 0.0001$ ). Furthermore, a slight and inverse correlation has been found between ovarian vol. and ovarian stromal artery pulsatility index ( $r = -0.536$ ;  $P = 0.048$ ). In conclusion, we affirm that PCO are greatly represented among girls with premature pubarche and progressively evolve.

IT Spectroscopy  
(Doppler, **color**; plasma hormonal profile in girls with isolated premature pubarche-assocd. with polycystic ovaries detected by ultrasonog. and **color** doppler anal.)

IT Development, mammalian postnatal  
(child; plasma hormonal profile in girls with isolated premature pubarche-assocd. with polycystic ovaries detected by ultrasonog. and **color** doppler anal.)

IT Human  
Sound and Ultrasound  
(plasma hormonal profile in girls with isolated premature pubarche-assocd. with polycystic ovaries detected by ultrasonog. and **color** doppler anal.)

IT Ovary, disease  
(polycystic; plasma hormonal profile in girls with isolated premature pubarche-assocd. with polycystic ovaries detected by ultrasonog. and **color** doppler anal.)

IT Puberty  
(premature pubarche, isolated; plasma hormonal profile in girls with isolated premature pubarche-assocd. with polycystic ovaries detected by ultrasonog. and **color** doppler anal.)

IT Hair  
(pubic, premature pubarche, isolated; plasma hormonal profile in girls with isolated premature pubarche-assocd. with polycystic ovaries detected by ultrasonog. and **color** doppler anal.)

IT 50-23-7, Cortisol 50-28-2, Estradiol, biological studies 58-22-0, Testosterone 63-05-8, Androstenedione 68-96-2, 17-Hydroxyprogesterone 651-48-9, DHEA sulfate 9002-67-9, LH 9002-68-0, FSH  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(plasma hormonal profile in girls with isolated premature pubarche-assocd. with polycystic ovaries detected by ultrasonog. and

color doppler anal.)

L29 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1966:431994 CAPLUS  
DOCUMENT NUMBER: 65:31994  
ORIGINAL REFERENCE NO.: 65:5965a-d  
TITLE: Steroids in human skin and hairs. IV.  
Neutral 17-keto steroids in human hairs  
AUTHOR(S): Julesz, M.; Faredin, I.; Toth, I.  
CORPORATE SOURCE: Univ. Med. School, Szeged  
SOURCE: Acta Med. Acad. Sci. Hung. (1966), 22(1), 49-52  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
TI Steroids in human skin and hairs. IV. Neutral 17-keto steroids  
in human hairs  
AB cf. preceding abstr. Hairs cut from different areas (head,  
armpits, pubic region) of normal men and women were collected in batches  
of 400-1600 mg. and boiled under reflux in 40 ml. of 2.5% NaOH for 20 min.  
The soln. was neutralized with 3 ml. of 11N HCl. After adding 6 ml. of  
concd. HCl, it was boiled under reflux for another 15 min. Cooling was  
followed by extn. with 4 aliquots of 20 ml. of ether. The ethereal ext.  
was washed with 3 aliquots of 20 ml. of 2N NaOH and 2 of 20 ml. of distd.  
H<sub>2</sub>O. It was dehydrated with 3-5 g. of Na<sub>2</sub>SO<sub>4</sub>, filtered, and evapd. to  
dryness. The ext. was dissolved in 5 ml. of benzene and evapd. to dryness  
in vacuo. The residue was applied in 3 aliquots of 5 ml. of benzene onto  
a 2 g. Nymco Florisil column suspended in benzene. The column was washed  
with 15 ml. of benzene and then with 10 ml. of 0.5% EtOH in benzene. The  
17-keto steroids were eluted from the column with 45 ml. of 2% EtOH in  
benzene. The eluate was evapd. to dryness, purified with Girard's  
reagent-T, and the ketonic fraction was sepd. The ketonic fraction was  
applied in benzene to a 0.25 mm. layer of alumina spread on a  
chromatographic plate and chromatographed with EtOAc-n-hexane-HOAc-EtOH  
(120:120:2:1) at 30.degree. for 3-4 hrs. After chromatography, the plate  
was dried and the layer sprayed with 1:1 2% m-dinitrobenzene in EtOH and  
2.5N KOH in MeOH. After drying, the lilac-blue 17-keto steroid spots  
appeared. Head, axillary and pubic hairs contained 17-keto  
steroids; axillary hairs were the richest source.  
Dehydroepiandrosterone and 3-chloro-3-dehydroepiandrosterone were  
identified by their R<sub>f</sub> in different thin-layer chromatographic systems and  
by different color reactions. In hairs from hirsute  
women two 17-keto steroids of low R<sub>f</sub> value were detected; these were  
absent from the hairs of normal women. No qual. differences  
were observed between body hairs before and after ACTH  
treatment.

IT Hair  
(17-keto steroid detn. in human)  
IT Steroids  
(17-keto, detn. in hair)  
IT 14350-34-6, Androst-5-en-17-one, 3.alpha.-chloro-3-hydroxy-  
(detection in hair)  
IT 53-43-0, Androst-5-en-17-one, 3.beta.-hydroxy-  
(detection of, in hair)

L29 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS  
ACCESSION NUMBER: 1965:60650 CAPLUS  
DOCUMENT NUMBER: 62:60650  
ORIGINAL REFERENCE NO.: 62:10799f-g  
TITLE: A stain of 3.beta.-hydroxy .DELTA.5-steroids and  
sterols  
AUTHOR(S): Eberlein, Walter R.  
CORPORATE SOURCE: Univ. of Pennsylvania, Philadelphia, PA  
SOURCE: J. Clin. Endocrinol. Metab. (1965), 25(2), 288-9  
DOCUMENT TYPE: Journal

LANGUAGE: Unavailable  
AB For paper chromatograms, 50 mg. of picric acid is dissolved in 16 ml. of AcOH to which is added 4 ml. of 70% perchloric acid. The paper strip is dipped in the soln., blotted, and heated at 70-75 degree. for 3 to 5 min. in a well ventilated oven. For thin-layer chromatograms, 100 mg. of picric acid is dissolved in 36 ml. of AcOH to which is added 6 ml. of 70% HClO<sub>4</sub>. This soln. is sprayed on the plate which is heated gently on a hot plate while the upper surface is dried with a hair dryer. The 3. $\beta$ -hydroxy .DELTA.5-steroids usually appear as red spots against a white background. Certain steroids stain a characteristic shade of red, others usually stain an intense yellow which progresses to an orange, red, or blue color. The colors of the spots obtained for 31 steroids are described.

IT 53-43-0, Androst-5-en-17-one, 3. $\beta$ -hydroxy- 57-88-5,  
Cholesterol 145-13-1, Pregn-5-en-20-one, 3. $\beta$ -hydroxy-  
387-79-1, Pregn-5-en-20-one, 3. $\beta$ .,17-dihydroxy- 516-72-3,  
Cholest-5-ene-3. $\beta$ .,20. $\alpha$ .-diol 640-73-3, Pregn-5-ene-11,20-dione,  
3. $\beta$ -hydroxy- 853-26-9, Pregn-5-ene-3. $\beta$ .,20. $\beta$ .,21-triol  
853-61-2, Pregn-5-ene-3. $\beta$ .,16. $\alpha$ .,20. $\beta$ .-triol 855-14-1,  
Pregn-5-ene-3. $\beta$ .,17,20. $\beta$ .,21-tetrol 901-56-4, Pregn-5-ene-  
3. $\beta$ .,20. $\alpha$ .-diol 901-57-5, Pregn-5-ene-3. $\beta$ .,20. $\beta$ .-diol  
903-67-3, Pregn-5-ene-3. $\beta$ .,17,20. $\alpha$ .-triol 1050-84-6,  
Pregn-5-en-20-one, 3. $\beta$ .,11. $\beta$ .,17,21-tetrahydroxy- 1159-66-6,  
Androst-5-en-16-one, 3. $\beta$ .,17. $\beta$ .-dihydroxy- 1159-68-8,  
Androst-5-en-17-one, 3. $\beta$ .,16. $\beta$ .-dihydroxy- 1164-86-9,  
Pregn-5-en-20-one, 3. $\beta$ .,11. $\beta$ .-dihydroxy- 1164-98-3,  
Pregn-5-en-20-one, 3. $\beta$ .,21-dihydroxy- 1167-48-2, Pregn-5-en-20-one,  
3. $\beta$ .,17,21-trihydroxy- 1231-81-8, Androst-5-en-17-one,  
3. $\beta$ .,11. $\beta$ .-dihydroxy- 2140-46-7, Cholest-5-ene-3. $\beta$ .,25-diol  
2665-04-5, Cholesta-5,24-dien-3. $\beta$ .-ol, acetate 4005-81-6,  
Cholest-5-ene-3. $\beta$ .,20. $\alpha$ .,22-triol 13095-61-9,  
Cholest-5-ene-3. $\beta$ .,26-diol 17520-02-4, Androst-5-ene-11,17-dione,  
3. $\beta$ -hydroxy 17711-16-9, Cholest-5-ene-3. $\beta$ .,22-diol 17752-16-8,  
Cholest-5-en-24-one, 3. $\beta$ -hydroxy- 33530-84-6, Pregn-5-ene-7,20-  
dione, 3. $\beta$ -hydroxy- 103308-38-9, Androst-5-ene-3. $\beta$ .,17. $\beta$ .-  
diol, 17-cyclohexanecarboxylate  
(detection of, picric acid in)

=> s keratin  
9937 KERATIN  
8825 KERATINS  
L30 13336 KERATIN  
(KERATIN OR KERATINS)

=> s L12 and L30  
L31 13 L12 AND L30

=> d L31 1-13 ti

L31 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2003 ACS  
TI Methods and reagents for the rapid and efficient isolation of circulating cancer cells  
  
L31 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2003 ACS  
TI Treatment of respiratory and lung diseases with antisense oligonucleotides and a bronchodilating agent  
  
L31 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2003 ACS  
TI Treatment of respiratory and lung diseases with antisense oligonucleotides and a bronchodilating agent  
  
L31 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2003 ACS

TI In vivo and in vitro immunological localization of dehydroepiandrosterone (DHEA) in rat submaxillary gland

L31 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2003 ACS  
TI Pharmaceutical and cosmetic compositions containing oligosaccharide aldonic acids and their topical use

L31 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2003 ACS  
TI Compositions and methods for treatment of alopecia

L31 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2003 ACS  
TI Keratin formation promoters for prevention of skin roughness and aging

L31 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2003 ACS  
TI Inhibition by dehydroepiandrosterone of butylated hydroxyanisole (BHA) promotion of rat-bladder carcinogenesis and enhancement of BHA-induced forestomach hyperplasia

L31 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2003 ACS  
TI Mechanism of allergic cross-reactions. I. Multispecific binding of ligands to a mouse monoclonal anti-DNP IgE antibody

L31 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2003 ACS  
TI Morphometric analysis of human epidermis treated with testosterone and dehydroepiandrosterone in organ culture

L31 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2003 ACS  
TI Pharmacologically induced ultrastructural and immunohistochemical changes in the prostate of the castrated dog

L31 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2003 ACS  
TI Characteristics of cells derived from the girdle region of the pre-implantation blastocyst of the donkey

L31 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2003 ACS  
TI Studies of androgen metabolism and action in cultured hair and skin cells

=> d L31 6 ibib,kwic

L31 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2003 ACS  
 ACCESSION NUMBER: 1999:421535 CAPLUS  
 DOCUMENT NUMBER: 131:63203  
 TITLE: Compositions and methods for treatment of alopecia  
 INVENTOR(S): Mann, Morris A.  
 PATENT ASSIGNEE(S): USA  
 SOURCE: PCT Int. Appl., 38 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9932072	A1	19990701	WO 1998-US26955	19981218
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,			

FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,  
 CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  
 US 6030948 A 20000229 US 1997-994347 19971219  
 CA 2315395 AA 19990701 CA 1998-2315395 19981218  
 AU 9919281 A1 19990712 AU 1999-19281 19981218  
 EP 1039874 A1 20001004 EP 1998-964084 19981218  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, FI  
 JP 2001526200 T2 20011218 JP 2000-525068 19981218  
 PRIORITY APPLN. INFO.: US 1997-994347 A 19971219  
 WO 1998-US26955 W 19981218  
 REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT  
 AB Hair regeneration compns. contg. T.alpha.1, T.beta.4, or a combination  
 thereof for treating alopecia on the scalp of a patient in need thereof  
 are disclosed. Treatment methods include (1) cleansing the scalp with a  
 cleansing agent; (2) treating the cleansed scalp with a **keratin**  
 solvent system; (3) applying a topical anesthetic (optional); (4) applying  
 an acid peel soln.; (5) applying a hyperactive urea gel formula (optional)  
 and (6) applying a hair regeneration compn.  
 IT 50-81-7, L-Ascorbic acid, biological studies 52-01-7, Spironolactone  
**53-43-0**, DHEA 57-13-6, Urea, biological studies 57-55-6,  
 1,2-Propanediol, biological studies 57-83-0, Progesterone, biological  
 studies 58-72-0D, Triphenylethylene, derivs. 63-25-2, Carbaryl  
 65-85-0, Benzoic acid, biological studies 73-31-4 77-92-9, biological  
 studies 83-34-1, Skatole 87-20-7, Isoamyl salicylate 87-22-9  
 89-78-1, Menthol 89-83-8, Thymol 97-53-0, Eugenol 100-51-6, Benzyl  
 alcohol, biological studies 108-95-2, Phenol, biological studies  
 110-27-0, Isopropyl myristate 111-90-0 112-38-9, Undecylenic acid  
 112-80-1, 9-Octadecenoic acid (9Z)-, biological studies 118-58-1, Benzyl  
 salicylate 119-36-8, Methyl salicylate 120-51-4, Benzyl benzoate  
 120-72-9, Indole, biological studies 122-99-6, Phenoxyethanol 124-43-6  
 126-07-8, Griseofulvin 127-17-3, biological studies 142-62-1, Caproic  
 acid, biological studies 142-91-6, Isopropyl palmitate **145-13-1**  
 , Pregnenolone 512-04-9, Diosgenin 700-06-1, Indole-3-carbinol  
 968-93-4, Testolactone 9002-93-1, Triton X-100 54965-24-1, Tamoxifen  
 citrate 65277-42-1 69521-94-4, Thymosin .alpha.1 77642-24-1,  
 Thymosin .beta.4 86386-73-4, Fluconazole 91161-71-6, Terbinafine  
 219315-98-7, PX-13  
 RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL  
 (Biological study); USES (Uses)  
 (thymosin fractions in combination with secondary active agents for  
 treatment of alopecia)

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 1 CANITY  
 9 CANITIES  
 L32 10 CANITY  
 (CANITY OR CANITIES)

=> d 132 1-10 ti

L32 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2003 ACS  
 TI Insect viruses expressing toxin genes from early promoters with increased  
 virulence towards insect hostss  
 L32 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2003 ACS  
 TI Fusion proteins of toxins and viral coat proteins for use in the  
 development of insect-resistant plants  
 L32 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2003 ACS  
 TI Mode of action of an insecticidal peptide toxin from the venom of a

weaving spider (*Diguetia canities*)

L32 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2003 ACS  
TI Insecticidal peptides of *Diguetia canities*, their manufacture with recombinant cells, and their use as insecticides

L32 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2003 ACS  
TI Characterization and cloning of insecticidal peptides from the primitive weaving spider *Diguetia canities*

L32 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2003 ACS  
TI Insecticidal peptides of *Diguetia canities*, their manufacture with recombinant cells, and their use as insecticides

L32 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2003 ACS  
TI Distributed Bragg mirror of angle reflector type

L32 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2003 ACS  
TI **Canities** and alopecia associated with avitaminosis in children

L32 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2003 ACS  
TI Vitamins of yeast

L32 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2003 ACS  
TI Pitmelanin therapy in **canities**. A preliminary report

=> s L32 and L12  
L33 0 L32 AND L12

=> d L32 8 abs

L32 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2003 ACS  
AB Infants and young children in Costa Rica manifest loss and depigmentation of hair as a result of mixed avitaminoses. These changes are reversible if the child survives the deficiency state and is given an adequate diet. Biotin is thought to be especially effective in accelerating normal growth and pigmentation, but this has not actually been proven.

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(FILE 'HOME' ENTERED AT 16:05:47 ON 07 JAN 2003)

FILE 'REGISTRY' ENTERED AT 16:05:55 ON 07 JAN 2003  
E PREGNENOLONE  
E 5-ANDROSTENEDIOL

FILE 'REGISTRY' ENTERED AT 16:34:00 ON 07 JAN 2003  
E HYDROXYPREGNENOLONE

L1 33 S E3  
E DIHYDROXYANDROST  
E DIHYDROXYANDROSTENE

L2 37 S DIHYDROXY AND ANDROSTENE

L3 8 S L2 AND 3,17-DIHYDROXY

L4 2 S 3.BETA.,17.BETA.-DIHYDROXYANDROST-5-ENE

L5 1 S 53-43-0/RN

L6 1 S 521-17-5/RN

L7 1 S 63-05-8/RN

L8 1 S 145-13-1/RN

L9 1 S 387-79-1/RN

L10 1 S 304655-83-2/RN

L11 1 S 28901-70-4/RN

FILE 'CAPLUS' ENTERED AT 16:53:16 ON 07 JAN 2003  
L12 14949 S L5 OR L6 OR L7 OR L8 OR L9 OR L10 OR L11  
L13 375 S L12 AND SKIN  
L14 0 S L13 AND BLEACH  
L15 4 S L13 AND DEPIGMENT?  
L16 1 S L12 AND MELASMA  
L17 9 S CANITIES  
L18 0 S L12 AND L17  
L19 87 S HAIR(P)GREY  
L20 691 S HAIR(P)GRAY  
L21 774 S L19 OR L20  
L22 0 S L12 AND L21  
L23 47747 S HAIR  
L24 120 S L12 AND L23  
L25 0 S L24 AND GRAY  
L26 0 S L24 AND GREY  
L27 17 S PROPIGMENT?  
L28 0 S L27 AND L12  
L29 3 S L24 AND COLOR  
L30 13336 S KERATIN  
L31 13 S L12 AND L30  
L32 10 S CANITY  
L33 0 S L32 AND L12

FILE 'STNGUIDE' ENTERED AT 17:07:11 ON 07 JAN 2003  
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT  
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AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.  
LAST RELOADED: Dec 20, 2002 (20021220/UP).